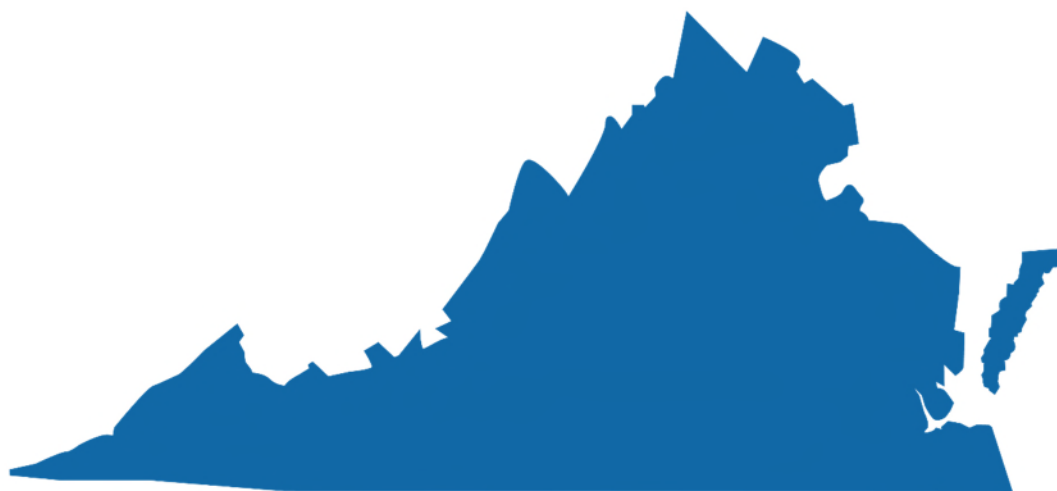




2021 Virginia Toxics Release Inventory Report

Summary of Data from 2021 Industry Reports



March 2023

Mission and Programs

It is the mission of the Virginia Department of Environmental Quality (DEQ) to protect the environment in order to promote the health and well-being of Virginians. To this end, DEQ implements numerous programs that range from the media-specific (air quality, water quality and waste management) to particular areas (such as the Chesapeake Bay and the Virginia Coastal Zone Management Area), to more specific programs (such as Small Business Assistance and Citizen Water Quality Monitoring). DEQ is committed to pollution prevention and elimination, or reduction of waste, at the source of generation. An example of a pollution prevention program is the Virginia Environmental Excellence Program, which encourages businesses and organizations to go beyond legal requirements and adopt environmental management systems.

All sectors of government, businesses and industry – and Virginia’s citizens – have a role in managing and controlling the release of toxic chemicals in the Commonwealth of Virginia.

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Summary

In March of each year, the Virginia Department of Environmental Quality (DEQ) publishes the Virginia Toxics Release Inventory (TRI) Report, pursuant to Virginia Code § 10.1-1186.1. The TRI program continues to fulfill its goal of providing chemical use, release and waste management information to the public. The report contains information on the release or other management of listed chemicals and chemical categories as reported by Virginia industries in specified industrial sectors and by federal facilities located within the commonwealth. Facility reports are required by Title III of the federal Superfund Amendment and Reauthorization Act (SARA Title III), also known as the Emergency Planning and Community Right-to-Know Act (EPCRA). The Virginia TRI Report is a multi-media report covering air, water, and waste management activities. It also addresses a variety of handling practices, including releases, recycling, energy recovery, and on- and off-site treatment and disposal. The 2021 TRI data represents the 34th year of data collection from facilities for distribution to the public.

This year's Virginia TRI Report covers calendar year 2021, which is the most recent year of available data. The report includes all reports and revisions received by DEQ on or before Jan. 9, 2023.

Between 2008 and 2018 there has been an overall decrease of over 46.70% in the total amount of TRI reportable chemicals released to the environment as shown in the table in Appendix E. Table 6 shows the comparison between 2020-2021, with a decrease in releases of 4.39%, and 2019-2021, with a decrease in releases of 1.19%.

For 2021, 422 Virginia facilities filed 1,259 individual reports on the release, transfer, or management of TRI chemicals or chemical categories. Compared to calendar year 2020 this was an increase in the number of facilities reporting (419 facilities) and an increase in the number of reports received (1,246 reports). In 2021, Virginia facilities reported the release, transfer, or management of 132 of the more than 700 chemicals and chemical categories which are subject to the TRI reporting requirements.

According to the reports, Virginia facilities reported the release, transfer, or on-site management of 515.25 million pounds of TRI chemicals during calendar year 2021 (a 2.70% increase from 2020).

Of the total of TRI chemicals reported:

- 27.07 million pounds were released on-site (a 4.39% decrease from 2020);
- 54.58 million pounds were transferred off-site for treatment, recycling, energy recovery, or disposal (a 9.58% decrease from 2020); and
- 433.61 million pounds were managed on-site by treatment, recycling, or energy recovery (a 4.98% increase from 2020).

TRI reports for 2021 show a decrease in releases to air, water, and land. Results from the most recent TRI data show the total amount of TRI chemicals as released:

- The total amount released to air for 2021 decreased by 771,965 pounds (5.26%) compared to 2020.

- The total amount released to water for 2021 decreased by 294,411 pounds (2.41%) compared to 2020.
- The total amount released to land for 2021 decreased by 176,349 pounds (12.45%) compared to 2020.

The report addresses separately those TRI chemicals the U.S. Environmental Protection Agency (EPA) has designated as Persistent Bio-accumulative Toxins (PBTs). These chemicals remain in the environment for long periods, are not readily destroyed, and build up or accumulate in body tissue. Risk to human health depends on the toxicity of the chemical; how it disperses, reacts, or persists in the environment; and the quantity, concentration, and type of human exposure. Chemical releases are managed by a variety of environmental permits.

According to the 2021 PBT reports:

- 232,099 pounds of PBT TRI chemicals were released on-site at reporting Virginia facilities (a 7.31% increase from 2020);
- 603,968 pounds of PBT TRI chemicals were transferred off-site for treatment, recycling, energy recovery, or disposal (a 4.79% increase from 2020); and
- 56,907 pounds of PBT TRI chemicals were managed on-site by treatment, recycling, or energy recovery (a 12.97% decrease from 2020).

Dioxins and dioxin-like compounds account for 0.17% of the PBT chemicals released, transferred, or managed by Virginia facilities during calendar year 2021. For 2021 there were 26.92 grams (approximately 0.06 pounds) of dioxin and dioxin-like compounds released, transferred or managed by Virginia facilities.

As required by statute, the report also provides information by industrial sector (identified by the North American Industry Classification System), facility, and facility location (jurisdiction). For 2021, three reporting industrial sectors accounted for 75.30% of the total on-site releases to the environment. The top three reporting industrial sectors were: Chemical Manufacturing, Paper Manufacturing, and Petroleum and Coal Products Manufacturing. The text of the report provides additional information about the industrial sectors, facilities, and jurisdictions with the largest reported on-site release, on-site management, and other management of TRI chemicals.

The report provides the public with information concerning specified toxic chemicals and chemical compounds that are manufactured, processed, or otherwise used at Virginia facilities. Responsible use of the information can help the public and industry identify potential concerns and develop effective strategies for reducing toxic chemical usage and release. The TRI data does not, however, represent a measure of public exposure to chemicals, nor does it assess risk.

The overwhelming majority of the releases are regulated and permitted under other state and federal programs that are designed to protect human health and the environment. These programs include federal programs such as the Clean Air Act (CAA), Clean Water Act (CWA), and the Resource Conservation and Recovery Act (RCRA) and accompanying state laws such as the State Water Control Law, Air Pollution Control Board Law, and Virginia Waste Management Act. These programs include

overall restrictions and standards established through permits or other applicable requirements. Information on the permit programs can be found at the following web address:
<http://www.deq.virginia.gov/Permits.aspx>.

Because of differences in report generation schedules and receipt of reports, the information in the Virginia TRI Report will not precisely match the information in the national Toxics Release Inventory - Public Data Release, located at <https://www.epa.gov/toxics-release-inventory-tri-program/tri-data-and-tools>, as published by EPA.

Introduction

Part One - Virginia TRI Reporting

Statutory and Regulatory Basis

The Virginia TRI Report is published annually pursuant to Virginia Code § 10.1-1186.1. The TRI Report contains information on the release, transfer, or management of listed chemicals and chemical categories, as reported by more than 400 Virginia industries and federal facilities. The facilities are required to submit their reports pursuant to the federal Emergency Planning and Community Right-to-Know Act (EPCRA), also known as SARA Title III.¹ Virginia Code § 10.1-1186.1 directs DEQ to publish the Virginia TRI Report in March of each year and to include information for the most recent calendar year for which data are available, in this case, the calendar year 2021. The Virginia Code also directs the report to be organized by chemical, facility, facility location, and standard industrial classification (SIC) code. Federal regulations require facilities to submit their TRI reports to the U.S. Environmental Protection Agency (EPA) and to the Commonwealth. The Virginia TRI Report is compiled directly from the reports received from Virginia facilities.

A glossary of terms used in the Virginia TRI Report is included as Appendix A.

Current Year (2021) Virginia Facility Reports

Facilities are required to submit their reports for a calendar year by the following July 1st. For example, facilities were required to file their reports on their calendar year 2021 activities on or before July 1, 2022. Therefore, data for calendar year 2021 is the most recent available for the March 2023 report. This TRI Report includes all facility reports and revisions received by DEQ on or before January 9, 2023.

For reporting year 2021, 422 Virginia facilities filed 1,259 individual reports on the release or other management of TRI chemicals or chemical categories, compared to 419 facilities and 1,246 reports that were filed for reporting year 2020. Data for all reporting years are available to the public from DEQ.

A digital copy of the current reporting year 2021 TRI report and appendices, as well as reporting years 2019-2020 TRI reports, are available at: www.deq.virginia.gov/land-waste/superfund-amendments-and-reauthorization-act-sara/toxics-release-inventory

In 2021, Virginia facilities reported the release, transfer, or management of 132 of the more than 700 chemicals and chemical categories, which are subject to TRI reporting requirements.

Changes to the 2021 Virginia TRI Report

Continuing the policy changes which began with the 2002 report, in November 2021 EPA finalized a rule adding natural gas processing facilities to the scope of the industrial sectors covered by the TRI. This rule expands coverage to include all natural gas processing facilities that receive and refine natural gas. Natural gas processing facilities that primarily recover sulfur from natural gas were already covered by TRI. Facilities primarily engaged in natural gas extraction (e.g., exploration, fracking, etc.) are not included in this rule. In 2021 no Virginia facilities covered under the NAICS codes for natural gas processing facilities submitted TRI reports.

¹ 42 U.S.C. § 11023, or SARA § 313

A change in reporting methodology by one facility, Ashland Specialty Ingredients LP, caused the reported total amount of TRI chemical managed on-site to drop significantly. The facility made this change in reporting year 2021 and subsequently revised five previous reporting years using the new reporting methodology. The numbers in Table 6 for on-site management for reporting years 2019 and 2020 have been revised accordingly to reflect this change in reporting methodology from the facility.

Assessing risk is beyond the scope of the report and is subject to site-specific interpretations and calculations. Readers are encouraged to use the resources listed in the report, appendices, and other data to analyze the overall use, release, and management of TRI chemicals.

Virginia is one of 37 states participating in the State Data Exchange program for online data collection of TRI reports. States which join the TRI State Data Exchange can save resources by sending all of their data electronically via the Central Data Exchange (CDX). Participating states may be viewed at the following site <https://www.epa.gov/toxics-release-inventory-tri-program/tri-data-exchange>.

Part Two - National Toxics Release Inventory Reporting Program

The National Toxics Release Inventory

The National Toxics Release Inventory was established to provide information to the public about the presence and release of toxic and hazardous chemicals in their communities. The Virginia TRI Report is compiled directly from reports Virginia facilities submit under federal law and regulations.² Using those same authorities, EPA compiles and maintains nationwide information in the *Toxics Release Inventory – National Analysis*, which is available to the public on EPA’s website at <https://www.epa.gov/trinationalanalysis>. From inception, the national TRI program and Virginia’s program have been expanding and evolving to meet the needs of an informed public. A list of supplementary resources on the program can be found in Appendix B and more detailed information about the historical changes to the TRI program can be found in Chapter Four.

Facilities Which Must Report

Under the national TRI program, a facility must submit a TRI report (or reports) to EPA and the state for the reporting year if:

- 1) The facility has 10 or more full-time employees** (a combined total for all employees of 20,000 hours or more for the year);
- 2) The facility’s primary business is within one of the covered North American Industrial Classification System (NAICS) codes.** The covered industry sectors include metal mining, coal mining, paper and allied products, chemicals and allied products, petroleum terminals and bulk stations and others. The complete list of covered industry groups is provided in Appendix H; and
- 3) The facility manufactured, processed, or otherwise used a reportable toxic chemical in quantities greater than the established threshold during the course of a calendar year.** The

² The national TRI was established under Title III, Section 313, of the Federal Superfund Amendments and Reauthorization Act (SARA), which is also known as the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA), 42 U.S.C § 11023. The related federal regulations are found at 40 CFR Part 372.

annual reporting thresholds for non-PBT TRI chemicals are 25,000 pounds for manufacturing, 25,000 pounds for processing, and 10,000 pounds for "otherwise use." For PBT chemicals, the thresholds for reporting are lower and vary by chemical. For example, dioxin and dioxin-like compounds have a threshold of 0.1 grams, while lead and lead compounds have a reporting threshold of 100 pounds. For PBT chemicals, these lower reporting thresholds apply whether the chemical is manufactured, processed, or otherwise used.

A TRI reporting threshold screening tool is available on EPA's website at the following address:

<https://www.epa.gov/toxics-release-inventory-tri-program/tri-threshold-screening-tool>.

Federal facilities also are required to comply with EPCRA and the Pollution Prevention Act (PPA) of 1990, in accordance with Executive Order 13148. The Executive Order requires all federal facilities which manufacture, process, or otherwise use any listed EPCRA Section 313 chemical above the reporting threshold to submit a TRI report. The first federal facility reports were submitted on or before July 1, 1995, for calendar year 1994.

Chemicals and Chemical Categories

For a chemical or chemical category to remain on or be added to the TRI list, the chemical must be known to cause or to reasonably be anticipated to cause one of the following:

- Adverse acute health effects at significant concentration levels beyond facility boundaries as a result of continuous or frequently occurring releases;
- Cancer in humans; or
- A significant adverse effect on the environment because of the chemical's toxicity and persistence in the environment.

As new chemicals of concern are identified, they are added to the TRI list. Conversely, if TRI chemicals are found not to meet the toxicity requirements, they can be deleted. Currently, the reportable TRI chemical list contains more than 700 chemicals and chemical categories. A complete list of TRI chemicals and chemical categories for calendar year 2021 reports is available to the public on EPA's website at <https://www.epa.gov/toxics-release-inventory-tri-program/tri-listed-chemicals>.

For 2021, Virginia facilities reported the release, transfer, or management of 132 of the more than 700 chemicals and chemical categories which are subject to the TRI reporting requirements.

Reporting Forms and Activities Which Must Be Reported

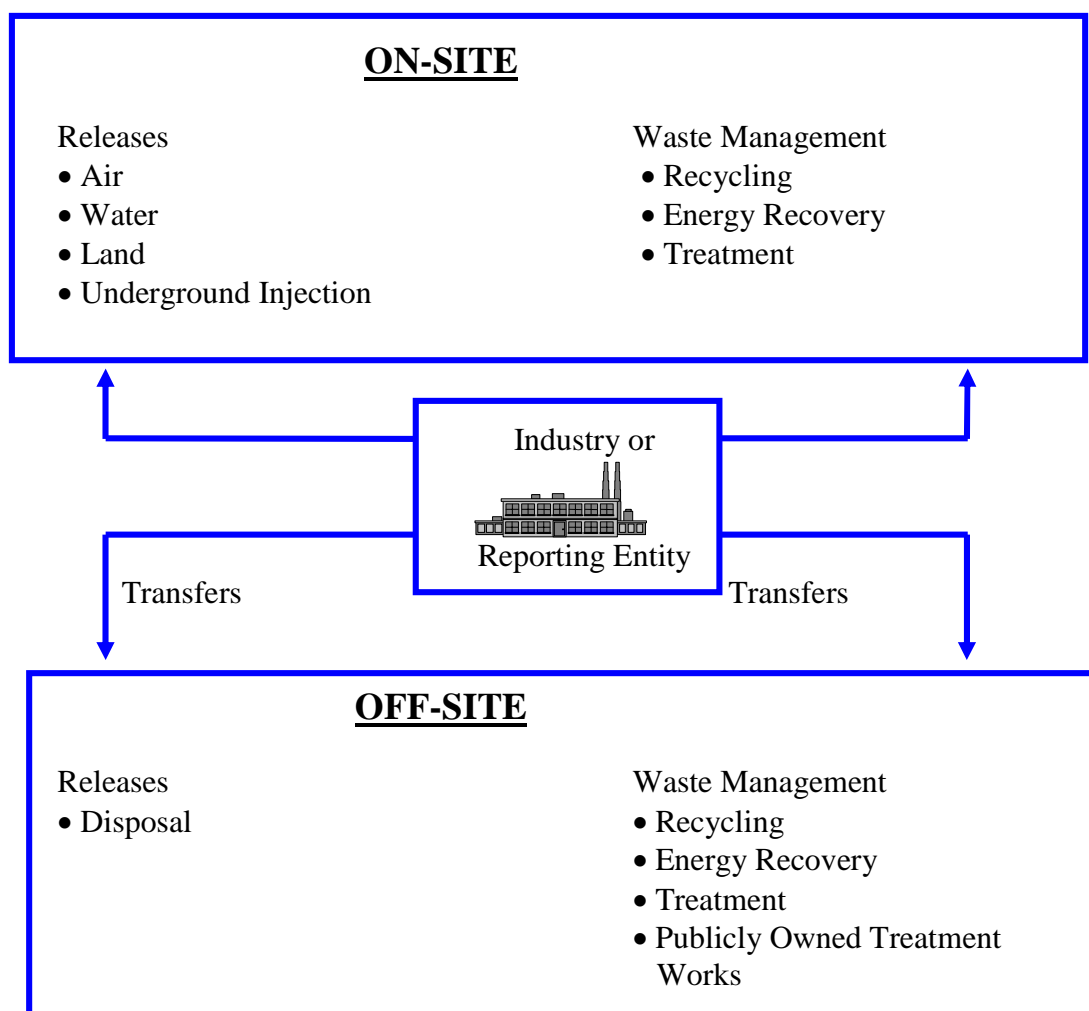
Each year, reporting facilities submit one reporting form for each TRI chemical or chemical category which is manufactured, processed, or otherwise used in amounts equal to or greater than the threshold values. For each TRI chemical or chemical category, facilities must submit either a Form A (simplified form) or a Form R (long form). Examples of both forms for reporting year 2021 are provided in Appendix D. Form A has restrictions governing its use.

- The TRI Electronic Reporting Rule, effective January 21, 2015, now requires facilities to use EPA's Automated TRI Reporting Software TRI-Made Easy (TRI-ME) to submit the information electronically online via CDX.

- Reports containing trade secrets or revisions to reports previously containing trade secrets must still be submitted to EPA and Virginia via hard copy.
- The 2009 Omnibus Appropriation Act has returned TRI reporting requirements to the rules in effect prior to the TRI Burden Reduction Rule, announced in December 2006. The change requires that reports on PBT chemicals be submitted on the Form R.
- For all other chemicals, the shorter form, Form A, may be used only if the “annual reporting amount” is 500 pounds or less and the chemical was manufactured, processed, or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Data used to prepare quantitative information in the Virginia TRI Report come principally from Part II of the Form R reports, and specifically from Sections 5, 6, 7 and 8 of Part II, Form R. These sections are referred to throughout the Virginia TRI Report and are described below:

- **Section 5: Quantity of toxic chemical entering each environmental medium on-site.** Release reporting for on-site releases is broken down into categories: releases to the air (from stack and fugitive emissions), releases to water (on-site via Virginia Pollutant Discharge Elimination System (VPDES) permitted outfalls and to publicly owned treatment works (POTWs)), and releases to land (underground injection, disposal to land, Resource Conservation and Recovery Act (RCRA) Subtitle C landfill, other landfills, land treatment/application farming, surface impoundment, or other disposal).
- **Section 6: Transfers of the toxic chemical in wastes to off-site locations.** Section 6 contains two main subsections: transfers to POTWs and transfers to all other off-site locations (in-state or out-of-state). Facilities are required to provide the name and location of off-site locations, the quantity transferred, and the method of management (treated, disposed, recycled, or burned for energy recovery).
- **Section 7: On-site waste treatment methods and efficiency (including energy recovery processes and recycling processes).** Facilities are asked to provide mostly qualitative information about the on-site treatment processes, the estimated range of influent concentration, and the efficiency of the operation.
- **Section 8: Source reduction and waste management.** Section 8 was added to the Form R reporting as a result of the federal Pollution Prevention Act of 1990 to track production-related activities. Section 8 extracts and re-aggregates data reported in Sections 5 through 7 into environmental releases (production-related on-site and off-site releases), off-site transfers/management, and on-site management. Where Section 7 contains qualitative information about on-site management practices, a subsection of Section 8 asks for related quantitative data. Section 8 and its subsections also request previous year reporting and future year estimates for production-related releases, transfers for off-site management, and on-site management. Other subsections of Section 8 ask for episodic/catastrophic releases (non-production related), qualitative information about source reduction activities, and a production ratio or activity index to better gauge the facility’s efforts in source reduction. The flow chart (Figure 1) on the following page illustrates the information collected on Form R for TRI chemicals.

Figure 1 - Schematic Diagram of the TRI Data Collected

Part Three - Uses and Limitations of TRI Data

The Virginia TRI Report provides the public, especially local emergency planning committees, with information concerning designated toxic chemicals and chemical categories manufactured, processed, or otherwise used at facilities, including the amounts released to the environment and managed as wastes.

Industry can use the data to: obtain an overview of use and release of toxic chemicals, identify and reduce costs associated with toxic waste, identify promising areas for pollution prevention, establish reduction targets, and measure and document progress toward reduction goals.

The public availability of the data has assisted many facilities in working with their communities to develop effective strategies for reducing environmental and human health risks that may result from toxic chemical releases.

Nevertheless, there are limitations on the use of TRI data:

1. The TRI Report contains reported information on the quantities of chemicals released and managed, not the public's exposure to, or risk from, the chemicals. Due to the limited nature of TRI data collected, readers are strongly discouraged from making any health or environmental risk/exposure assessments from the information presented. Risk to human health by a chemical release depends on the toxicity of the chemical; how it disperses, reacts, or persists in the environment; and the quantity, concentration, and type of human exposure. Furthermore, chemicals reported for the TRI Report are not weighted by their toxicity. For example, a pound of one substance may be more toxic or hazardous than 1,000 pounds of another. Most of the releases are permitted under other federal and state regulatory programs such as the CAA, CWA and RCRA. Data from these regulatory programs may provide additional information to better inform residents about their environment.
2. The TRI program captures only a portion of all toxic chemical releases in Virginia. The TRI reporting program does not account for TRI chemicals from most non-manufacturing facilities, facilities with fewer than 10 employees, facilities that do not meet the chemical quantity thresholds, other non-industrial sources, or transportation-related emissions.
3. The majority of facilities report TRI data based on estimates. The TRI program does not require facilities to monitor releases, only to use best available data in the facilities' estimates. Using different methods to estimate data can result in significant variability from one facility to another, as well as from one year to the next.
4. Patterns of releases and other waste management activities can change significantly from one year to the next. Thus, the data in this report for a specific facility may differ from those reported for a prior year. Although many facilities utilize Environmental Management Systems to improve efficiency and reduce waste, higher production often leads to higher releases.
5. Direct comparison between figures in the current year's report and figures in past Virginia TRI Reports is discouraged because of changes in reporting requirements and the authorized incorporation of revisions to previous years' data. Several historical comparisons, with appropriate standardization of data, are provided in Chapter 4 and Appendix E.
6. EPA is required by law to compile an annual *Toxics Release Inventory – National Analysis* for the nation. The data in the Virginia TRI Report is anticipated to not completely correspond to the data published by the EPA. Contributing factors include: differing dates on which data are extracted for processing, revised facility reports, and facilities which mistakenly report to the Commonwealth or EPA but not both. DEQ and EPA continue to work together to rectify such differences.

The data for calendar year 2021 show an increase (2.70%) in the amount of TRI chemicals released on-site, transferred off-site and managed on-site from 2020 (see Chapter 4 for the 2019-2021 comparison table). There has been a downward trend in the amount of TRI chemicals released to the environment in Virginia since the implementation of the TRI Program in 1988 with an overall decrease in the total amount of TRI reportable chemicals released of over 46.70% between 2008 and 2018 as shown in the table in Appendix E. An increase in the amount of TRI chemicals being recycled on-site, and TRI chemicals being released via fugitive air emissions accounted for the overall increase in the total amount of TRI chemicals reported in 2021.

Chapter One - 2021 Virginia TRI Data Review

Chapter One describes the 2021 reporting year data, based on the type of activity and the chemicals and chemical categories reported. The chapter is divided into four parts. Part One presents an overview and summary of 2021 data collected. Part Two discusses on-site releases of TRI chemicals to the environment, whether to air, water, or land. These data are derived from Section 5 of the Form R reports. Part Three discusses the off-site transfers of TRI chemicals, whether to POTWs or to other off-site locations. These data are derived from Section 6 of the Form R reports. Part Four discusses on-site and off-site management activities. These data are derived from Section 8 of the Form R reports. While Chapter One includes all TRI chemicals, Chapter Two addresses PBT chemicals in more detail.

As described in the Introduction, Section 8 of the federal Form R asks facilities to extract and re-aggregate certain data from Sections 5 and 6. To avoid double-counting these chemicals in the Overview and Summary, only data which are independent of Sections 5 and 6 are presented when discussing "On-Site Management" in Part One of this chapter. When discussing Section 8 data as a whole, however, all these data are used in Part Four of this chapter; including data extracted and re-aggregated from Sections 5 and 6, so the balance between various on-site and off-site management activities can be shown. Appendices F and G contain facility-specific information, arranged by jurisdiction, for TRI chemicals (excluding PBTs) and for PBT chemicals, respectively.

Part One - 2021 Overview and Summary

For calendar year 2021, Virginia facilities reported they released, transferred, or managed approximately 515.26 million pounds of TRI chemicals (see Table 1).

Approximately 27.07 million pounds of TRI chemicals were reported to have been released on-site to the environment. Air releases represented 13.90 million pounds, or 51.36% of all the TRI chemicals released on-site in 2021. Releases to the water totaled approximately 11.92 million pounds, or 44.06% of the total released on-site. Releases to the land totaled approximately 1.24 million pounds, or 4.58% of the total released on-site. For 2021, the amount of TRI chemical releases to the environment represented approximately 5.25% of the total TRI chemicals reported.

The majority of the reported releases occurred under a federal or state permit program designed to protect human health and the environment.

Off-site transfers totaled approximately 54.58 million pounds of TRI chemicals. Off-site transfers to POTWs totaled approximately 13.36 million pounds. Off-site transfers to other (non-POTW) facilities (for treatment, recycling, energy recovery, and disposal) totaled approximately 41.22 million pounds. For 2021, the amount of TRI chemicals transferred off-site represented approximately 10.60% of the total for TRI chemicals by this measure.

For 2021 facilities reported that approximately 433.61 million pounds were managed on-site by treatment, recycling, or energy recovery which represents approximately 84.15% of the total TRI chemicals.

Table 1. Summary of Data by Type of Release, Transfer, and On-Site Management for TRI Chemicals (in pounds per year)

On-Site Releases by Media (Section 5 of Form R)	
Total Air	13,902,322.61
Fugitive Air	3,481,628.72
Stack Air	10,420,693.89
Total Water	11,923,694.73
Total Land	1,239,755.30
Landfills	851,737.39
Land Treatment / Application	31,460.98
Surface Impoundment	181.98
Other Disposal	356,374.95
Total On-Site Releases to Media	27,065,772.64
Off-Site Transfers By Type (Section 6 of Form R)	
Publicly Owned Treatment Works (POTWs) (includes metals and metal compounds)	13,356,709.06
Total Other Off-Site Transfers	41,220,629.29
Off-Site Transfers for Recycling	22,307,679.92
Off-Site Transfers for Energy Recovery	3,159,121.59
Off-Site Transfers for Other Treatment	13,557,001.34
Off-Site Transfers for Disposal	2,196,826.44
Total Off-Site Transfers	54,577,338.35
On-Site Management (From Section 8 of Form R) *	
Treated On-Site	87,681,980.85
Recycled On-Site	343,257,849.12
Energy Recovery On-Site	2,672,179.67
Total On-Site Management	433,612,009.64
Total TRI Chemicals Released On-site to Media, Transferred Off-site, or Managed On-site by Reporting Facilities	515,255,120.63

* The data for the on-site management of TRI chemicals are a summary of data collected from Part II, Sections 8.2, 8.4 and 8.6 of the Form R. These sections, in turn, are quantitative data not reported anywhere else in the Form R and reflect the descriptive data reported in Part II, Section 7 (on-site management practices - treatment, energy recovery, and recycling) of the Form R. Data extracted and re-aggregated to Section 8 from Sections 5 and 6 of Form R have not been included here to avoid duplicate counting.

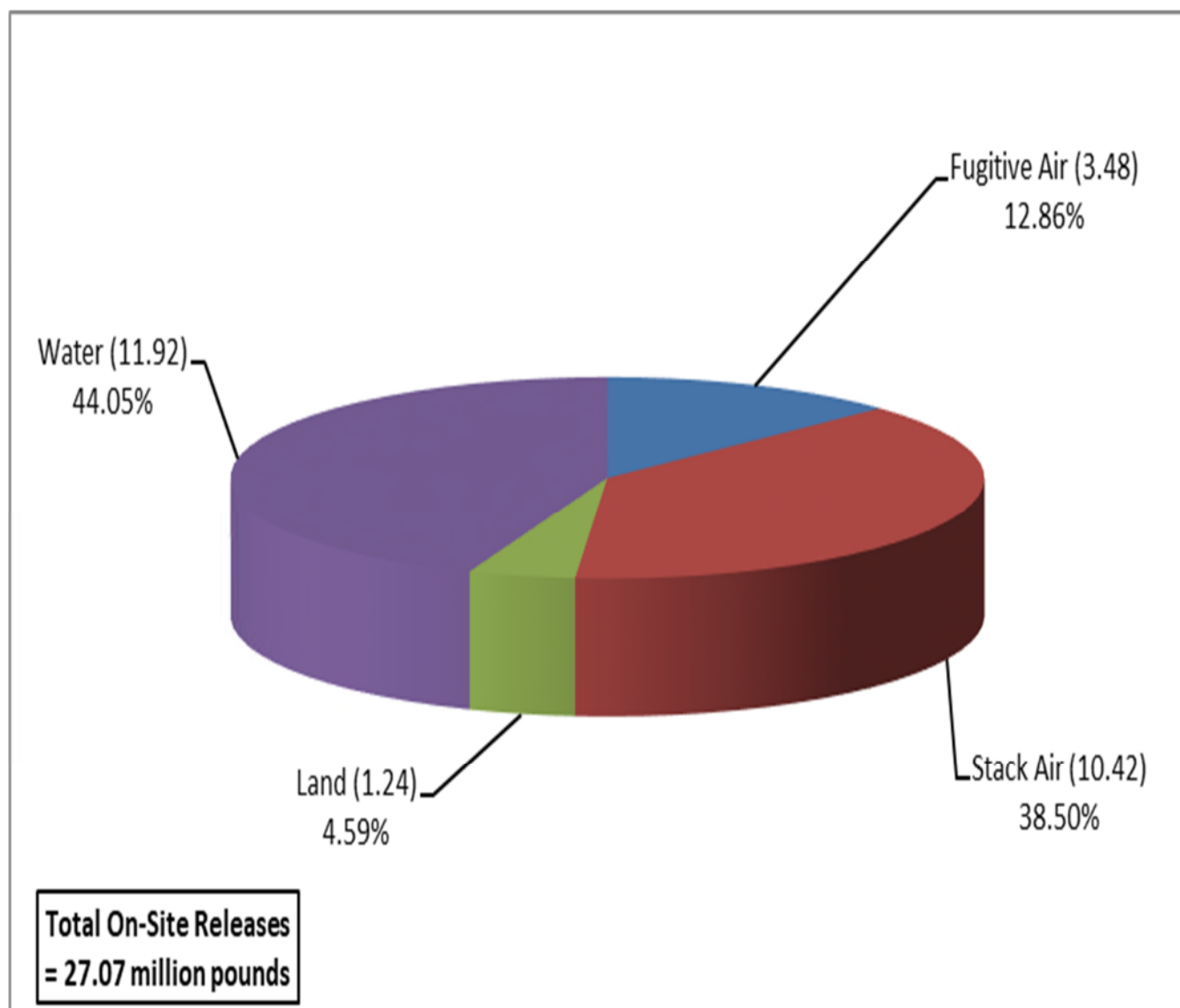
Part Two - On-Site Releases to the Environment

Part Two of Chapter One discusses the on-site releases to the environment by facilities, as reported in Section 5 of the TRI Form R. The quantities reported include production-related releases, any catastrophic releases or one-time events not associated with routine production processes.

A release refers to an on-site discharge of TRI chemicals to the air, water, land, and/or disposal in underground injection wells. Any reductions in waste achieved by on-site treatment methods are taken into account when facilities determine their release data.

Approximately 27.07 million pounds of TRI chemicals were reported as released into the environment by reporting facilities for reporting year 2021.

Figure 2. On-Site Releases of TRI Chemicals to All Media for Reporting Year 2021 (From Section 5 of Form R. The number inside the parentheses is the quantity of releases in each category in millions of pounds and the % figure is the % of total on-site releases. There were no underground injection releases reported in 2021.)

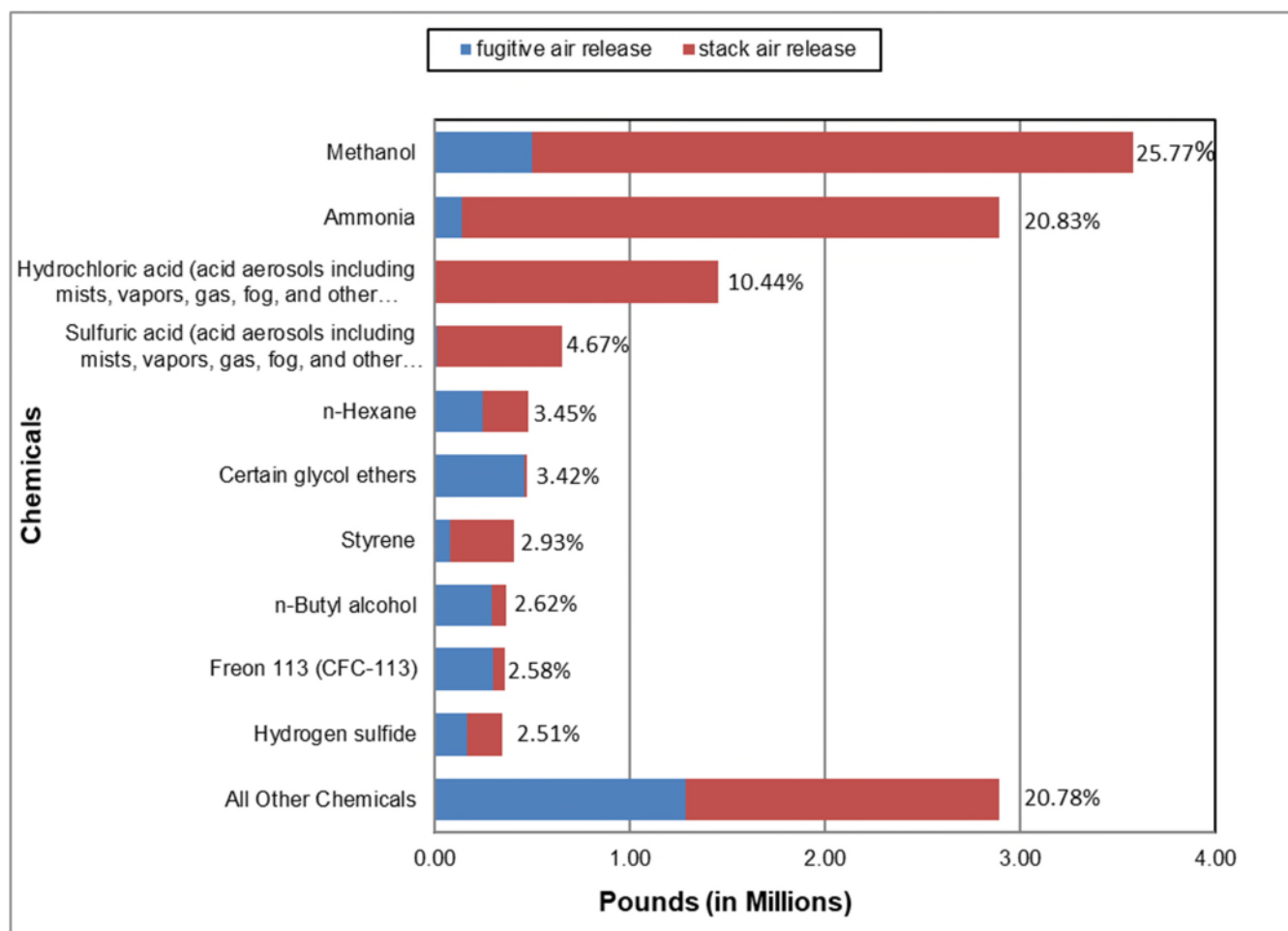


On-Site Releases to the Air

On-site air releases are classified as either “fugitive” (non-point source) or “stack” (point source) air emissions. Examples of fugitive air emissions are equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, and evaporative losses from surface impoundments and spills. Stack air emissions are releases which are conveyed through stacks, ducts, pipes, vents, or other confined air streams. Most facilities reporting stack emissions to TRI are required to have permits for the control of those emissions.

Based on the amount of fugitive and stack emissions reported, the total amount of releases to the air of all TRI chemicals was approximately 13.90 million pounds, which accounted for 51.36% of the total on-site releases to all media (air, water, and land). Ten TRI chemicals released to the air made up approximately 79.22% of the total reported TRI air emissions in 2021 (See Figure 3). Those 10 chemicals were: methanol, ammonia, hydrochloric acid, sulfuric acid, n-hexane, certain glycol ethers, styrene, n-butyl alcohol, Freon 113, and hydrogen sulfide. Most reported acid aerosols such as hydrochloric acid and sulfuric acid were reported as generated during the combustion of coal or oil. Electric power generating facilities contributed to the emissions of acid aerosols. Ammonia, methanol, and toluene continued to be the air pollutants reported primarily from the manufacturing sector.

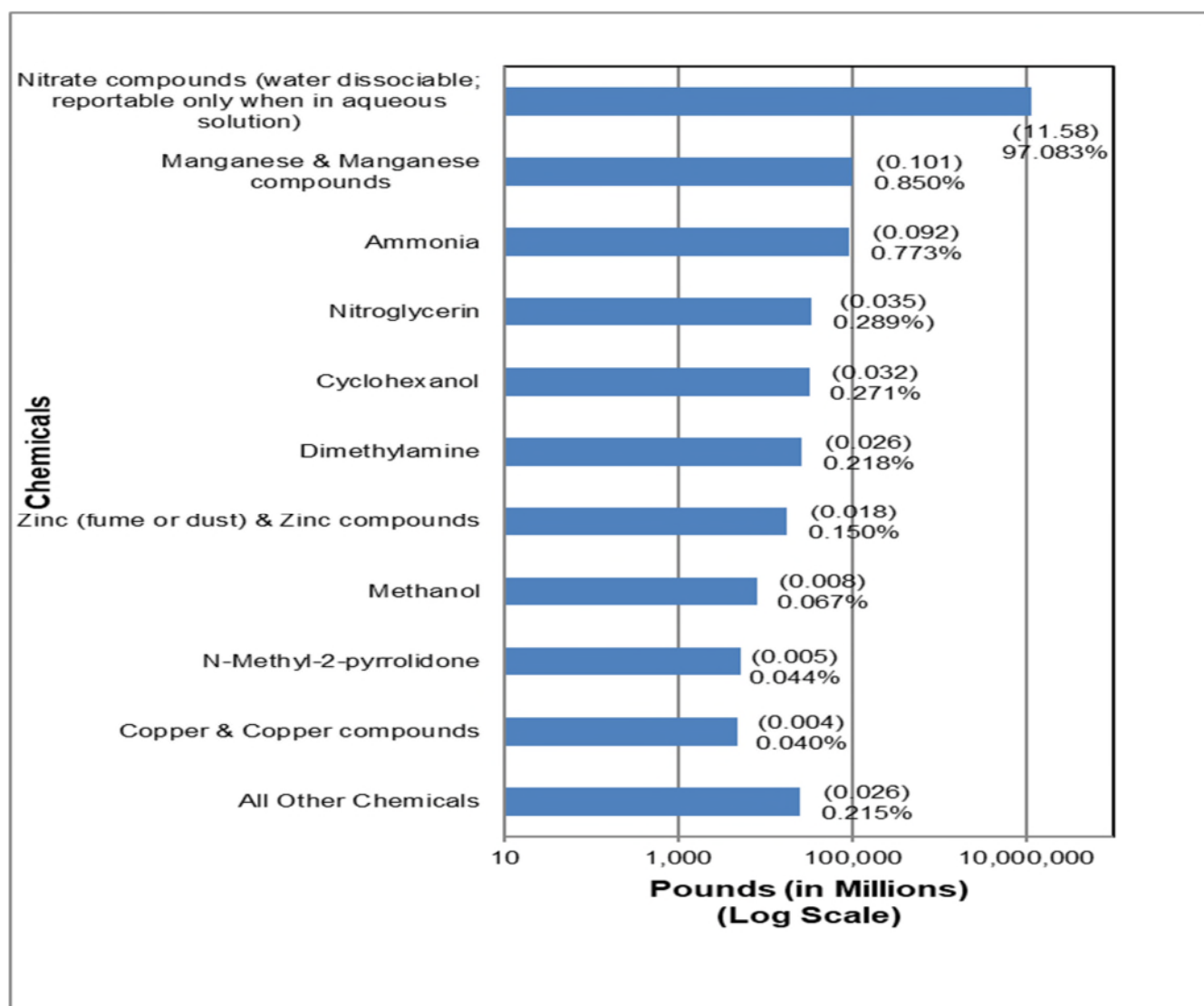
Figure 3. Top 10 TRI Chemicals Released to the Air On-Site in 2021 (From Section 5 of Form R. The number next to each bar is the % of total air releases for all 2021 chemicals reported.)



On-Site Releases to Water

On-site releases to water include discharges to surface waters, such as rivers, lakes, ponds, and streams. These discharges are often from VPDES permitted outfalls. Reported on-site releases of TRI chemicals to water in 2021 totaled approximately 11.92 million pounds and accounted for 44.05% of all on-site releases to the air, water, and land in 2021. Ten chemicals and chemical categories accounted for more than 99.78% of the on-site TRI chemical releases to the water. Those 10 TRI chemicals were: nitrate compounds (97.08% of total releases to water), manganese and manganese compounds, ammonia, nitroglycerin, cyclohexanol, dimethylamine, zinc and zinc compounds, methanol, n-methyl-2-pyrrolidone, and copper and copper compounds. Nitrate compounds are a common byproduct of industrial wastewater treatment processes and have consistently been reported as the chemical released in the highest quantity to surface water.

Figure 4. Top 10 TRI Chemicals Released to Water On-Site in 2021 (From Section 5 of Form R. The information presented here is in logarithmic, base 10 scale, which compresses the bar chart to show up to 450 fold magnitudes of the difference between nitrate compounds and other chemicals. The number by the bars represents the quantity in millions of pounds followed by % of total reported releases to water.)

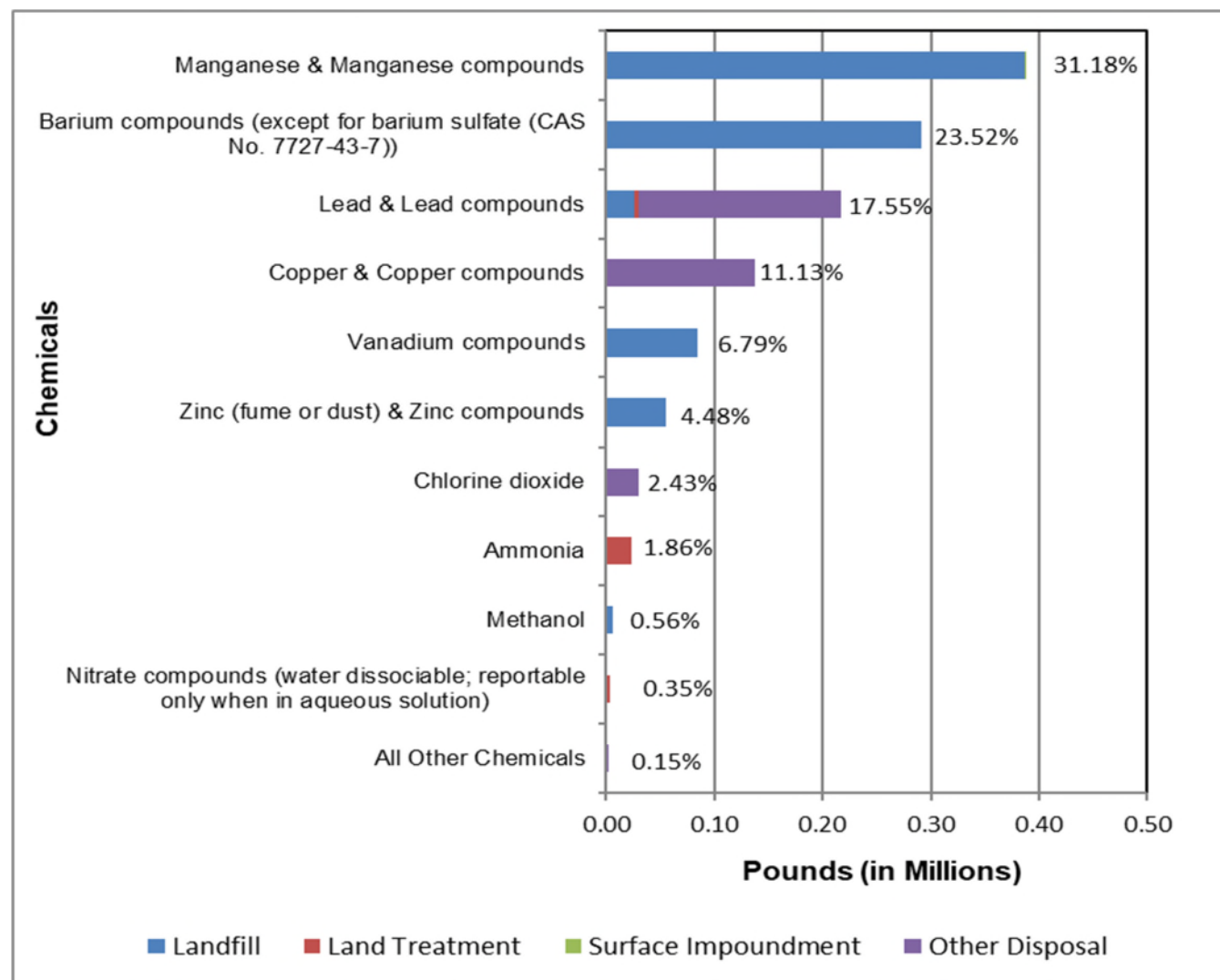


On-Site Releases to the Land

On-site releases to the land refer to land filling, surface impoundment, land treatment/application for farming, or any other release of a TRI chemical to land within the boundaries of a facility. Virginia does not permit underground injection as a method of hazardous waste disposal (nor was any reported) and no underground injection or RCRA Subtitle C permitted land disposal of TRI chemicals was reported.

The total amount of TRI chemicals released to the land in Virginia during 2021 was approximately 1.24 million pounds, which accounted for 4.59% of all reported on-site TRI releases (releases to the air, water, and land). Ten chemicals constituted approximately 99.85% of all of the TRI chemicals released to the land. They were: manganese and manganese compounds, barium compounds, lead and lead compounds, copper and copper compounds, vanadium compounds, zinc and zinc compounds, chlorine dioxide, ammonia, methanol and nitrate compounds (Figure 5). Metals and metal compounds such as barium are found naturally in coal combusted for energy generation and in the ashes remaining after combustion of the coal.

Figure 5. Top 10 TRI Chemicals Released On-Site to the Land in 2021 (From Section 5 of Form R. The number next to each bar is the % of total on-site land releases for all 2021 reported.)



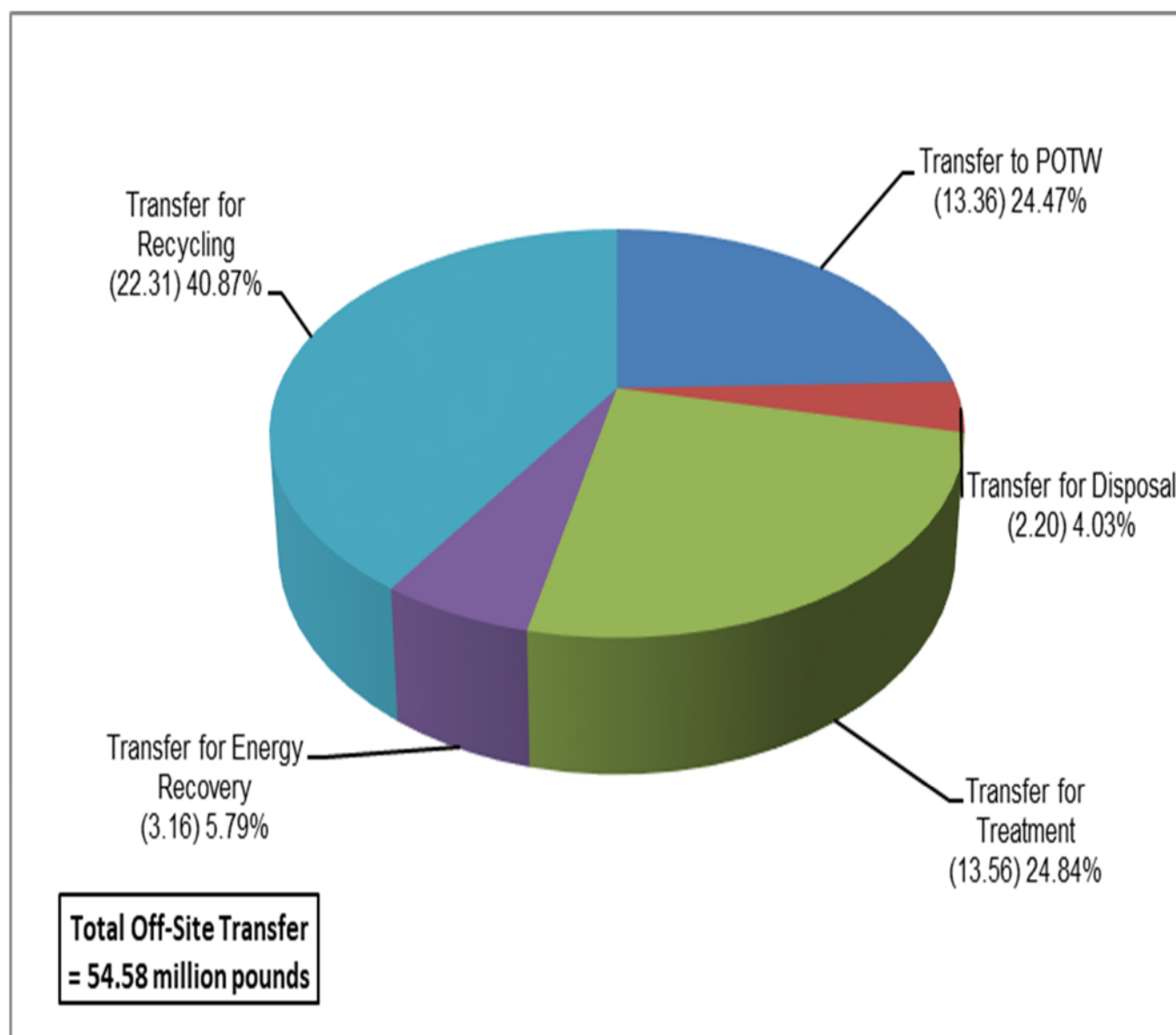
Part Three - Off-Site Transfers

Transfers refer to TRI chemicals sent off-site. Transfers are reported as transfers to POTWs or other off-site destinations which are not part of the reporting facility, such as incinerators, landfills, or other facilities for treatment, recycling, energy recovery, or disposal.

In this section, data were collected from Section 6 of Form R.

For 2021, approximately 54.58 million pounds of TRI chemicals were reported as sent off-site for further management or disposal.

Figure 6. All Off-Site Transfers of TRI Chemicals for Reporting Year 2021 (From Section 6 of Form R. The number inside the parentheses is the quantity of transfers in each category in millions of pounds and the % figure is the % of total transfers.)



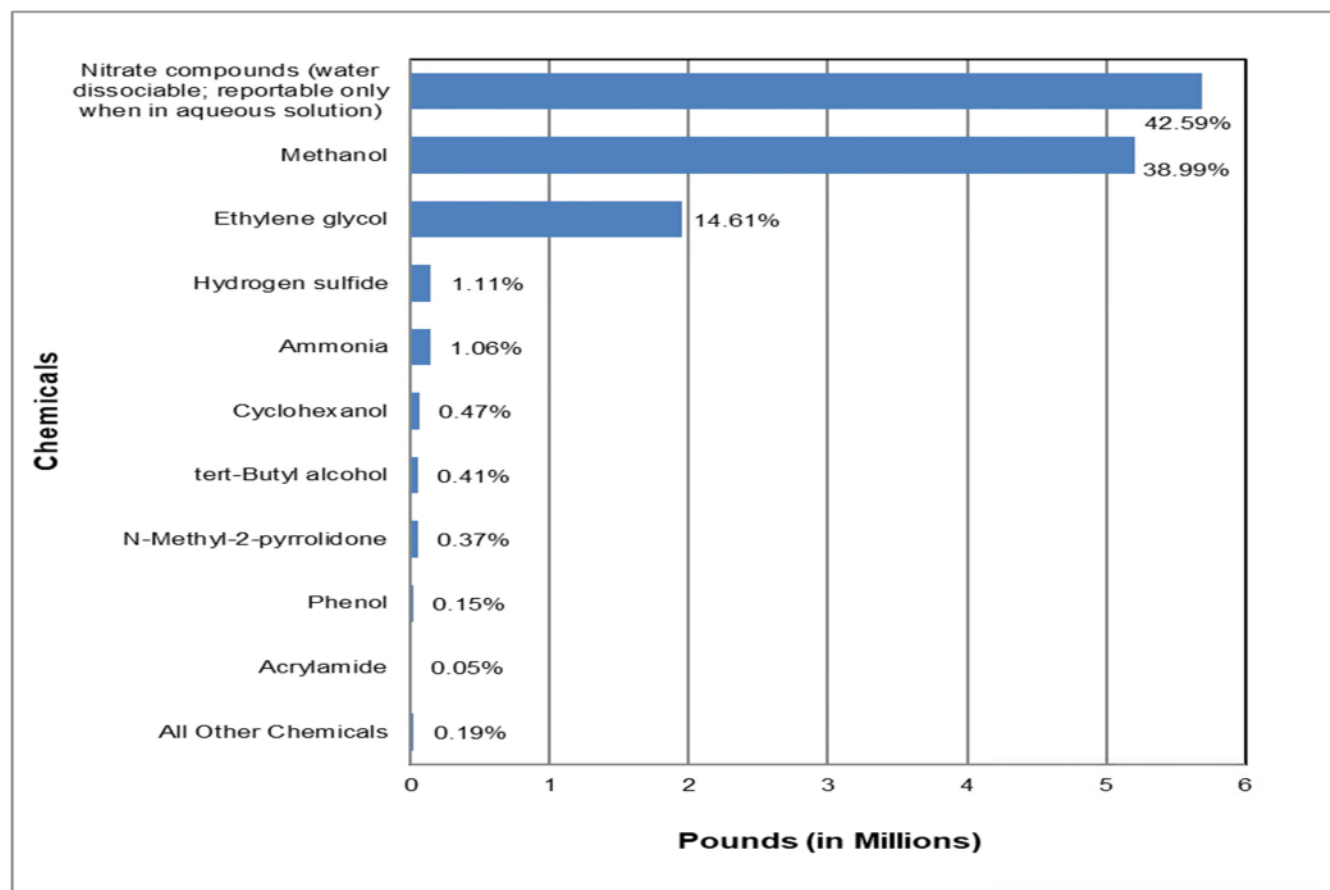
Transfers to Publicly Owned Treatment Works

A POTW is a wastewater treatment facility which is owned by a state or local government. Wastewater from facilities reporting under TRI is transferred through pipes or sewers to the POTW. The TRI information summarized below reports transfers of a chemical to a POTW; however, a transfer to a POTW is not necessarily the same as the release of a chemical to the environment. TRI chemicals may be treated, destroyed, and/or removed from the environment in a POTW's physical, chemical, and biological treatment processes. Some TRI chemicals are almost completely destroyed by a POTW. However, not all chemicals can be treated or removed by a POTW. Some chemicals such as metals and metal compounds may be removed but not destroyed. These metals may ultimately be disposed of in a permitted landfill, disposed of in a permitted land application process, or released through a permitted discharge to receiving waters.

Ten TRI chemicals accounted for approximately 99.81%, or 13.33 million pounds of the approximately 13.36 million pounds of TRI chemicals transferred to POTWs in reporting year 2021.

Nitrate compounds were the leading pollutant discharged to POTWs for treatment for this reporting period. The other nine top-reported chemicals transferred were: methanol, ethylene glycol, hydrogen sulfide, ammonia, cyclohexanol, tert-butyl alcohol, n-methyl-2-pyrrolidone, phenol, and acrylamide.

Figure 7. Top 10 TRI Chemicals Transferred to Publicly Owned Treatment Works (POTWs) in 2021 (From Section 6.1 of the Form R. The number next to each bar is the % of total transfers to POTWs.)

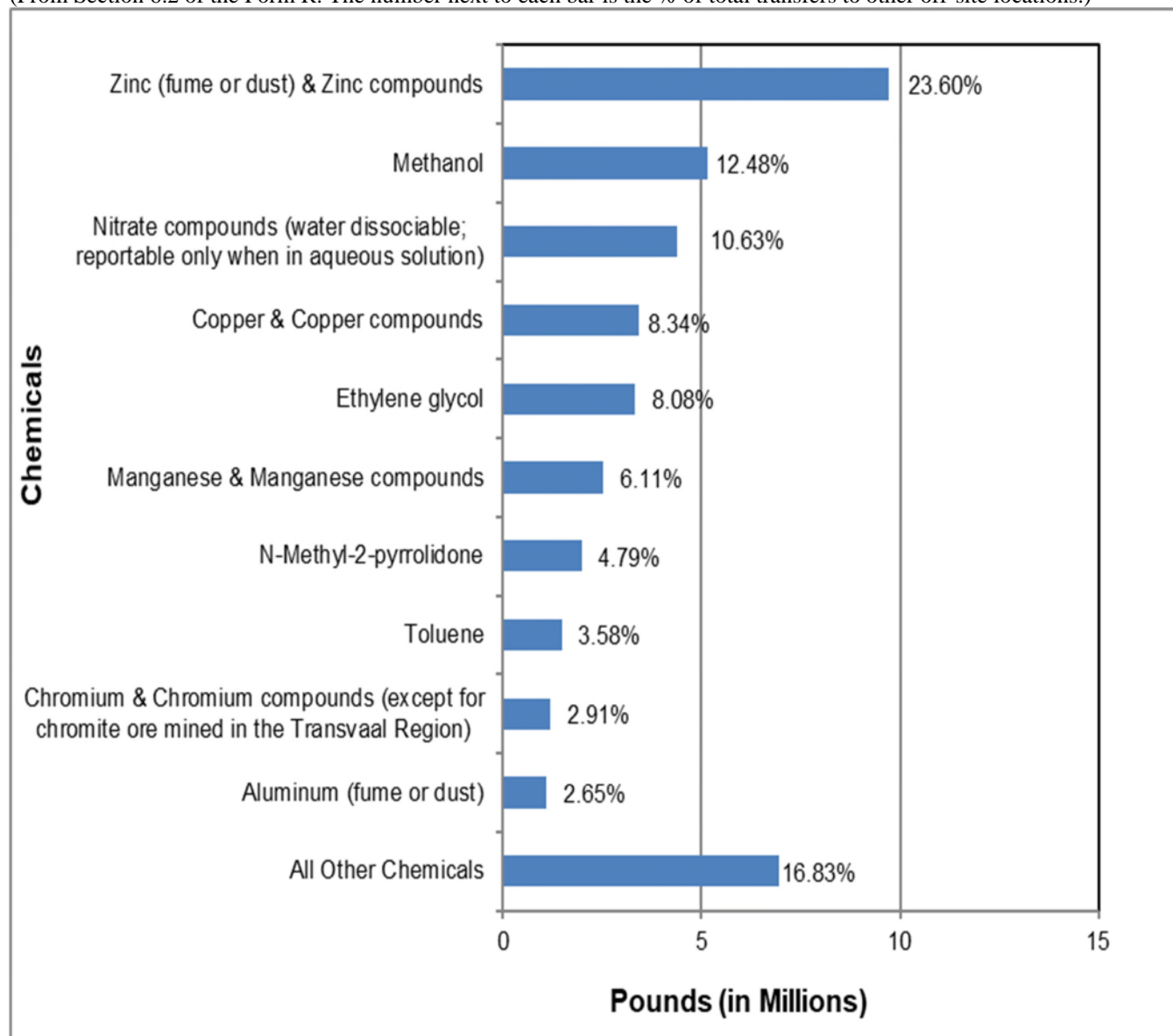


Transfers to Other Off-Site Locations

The Form R also reports transfers of TRI chemicals to facilities other than POTWs. These off-site locations include incinerators, landfills, other treatment, energy recovery, recycling, and/or disposal facilities. Off-site transfers can be to facilities located inside or outside of the Commonwealth.

In 2021, the total amount of TRI chemicals transferred to other off-site locations was approximately 41.22 million pounds. Ten TRI chemicals represented approximately 83.17% of the total TRI chemicals transferred off-site to locations other than POTWs. Those 10 chemicals and chemical categories transferred off-site to locations other than POTWs in reporting year 2021 were: zinc and zinc compounds, methanol, nitrate compounds, copper and copper compounds, ethylene glycol, manganese and manganese compounds, n-methyl-2-pyrrolidone, toluene, chromium and chromium compounds, and aluminum.

Figure 8. Top 10 TRI Chemicals Transferred to Off-Site Locations Other than POTWs in 2021
(From Section 6.2 of the Form R. The number next to each bar is the % of total transfers to other off-site locations.)



Part Four - On-Site and Off-Site Management

Under the Pollution Prevention Act of 1990, facilities subject to EPCRA Section 313 must report their source reduction and recycling activities. Consequently, EPA added Section 8 to the Form R (Appendix D) to track production-related activities. Section 8 contains 11 subsections and requires facilities to extract and re-aggregate data reported in Sections 5 through 7 into releases (on-site and off-site releases to the environment); off-site transfers/management; and on-site management categories. This part of Chapter One discusses all of the data included in Section 8 to track production-related activities so the relative methods of toxic chemical management can be compared.

Some of the data and information reported in Sections 5, 6 and 7 are handled differently for Section 8 reporting. The differences are the releases-to-the-environment data in Section 8 exclude catastrophic releases and one-time events not associated with the production process. Furthermore, metal and metal compounds reported as transfers for off-site management in Section 6 are aggregated with the on-site release data from Section 5 as releases to the environment. Metal and metal compounds cannot be destroyed through treatment; hence, their final disposal is considered a release to the environment. There are other differences in how quantities are reported, so the total toxics managed, as reported in Section 8, do not precisely match the total in Table 1. Also, Section 8 is the only part of the Form R which contains quantitative data on on-site waste management activities other than releases. While Section 7 contains qualitative information about on-site management practices, a subsection of Section 8 asks for quantitative data related to information reported in Section 7.

Consistent with the pollution prevention goal, Section 8 of Form R and its subsections also report additional information which addresses resource reduction efforts. In general, facilities utilize several options to manage TRI chemicals. Treatment of waste, both on-site and off-site, involves a variety of methods, including biological treatment, neutralization, incineration, and physical separation. Another option is on-site or off-site recycling. On-site or off-site recycling involves the toxic chemicals in waste being recovered or reclaimed and being returned for further processing or being made available for use in commerce. Energy recovery involves the combustion of toxic chemicals in industrial furnaces or boilers which generate energy for on-site or off-site use. The least preferable and last management option is disposal, which is considered a release to the environment.

As reported in Section 8 of the 2021 facility reports, 515.26 million pounds of production-related TRI chemicals were released, treated, recycled, or recovered both on-site and off-site from Virginia facilities.

Approximately 84.15% of the TRI chemicals were managed on-site and 5.25% of the TRI chemicals were released into the environment on-site. About 10.60% of the TRI chemicals were transferred off-site to be managed by various means.

Chapter Two - 2021 TRI Data for PBT Chemicals

Persistent bio-accumulative toxic chemicals are those which remain in the environment for long periods of time, are not readily destroyed, and build up or accumulate in body tissue. Because of these characteristics, beginning with reporting year 2000, EPA added several PBT chemicals to the TRI reporting list and lowered the reporting thresholds for 18 PBT chemicals and chemical categories.

For reporting year 2021, DEQ received 254 reports and revisions for PBT chemicals, out of a total of 1,259 TRI reports and revisions (20.17%).

Table 2 shows the reporting thresholds for the TRI PBTs. The table also shows that 11 of the 20 PBTs were reported as released, transferred, or managed by facilities in Virginia for reporting year 2021. Appendix G has facility-specific information for PBT chemicals.

Table 2. TRI Reporting Year 2021 Persistent Bio-accumulative Toxic Chemicals - Reporting Thresholds and Number of Reports Received

CAS Number	Chemical /Chemical Category Name	Reporting Threshold	Reports Received
309-00-2	Aldrin	100 lbs.	0
191-24-2	Benzo(g,h,i)perylene	10 lbs.	18
57-74-9	Chlordane	10 lbs.	1
N150	Dioxin and Dioxin-Like Compounds	0.1 gram	13
76-44-8	Heptachlor	10 lbs.	1
118-74-1	Hexachlorobenzene	10 lbs.	0
465-73-6	Isodrin	10 lbs.	0
7439-92-1	Lead	100 lbs.	93
N420	Lead Compounds	100 lbs.	75
7439-97-6	Mercury	10 lbs.	5
N458	Mercury Compounds	10 lbs.	15
72-43-5	Methoxychlor	100 lbs.	1
29082-74-4	Octochlorostyrene	10 lbs.	0
40487-42-1	Pendimethalin	100 lbs.	0
608-93-5	Pentachlorobenzene	10 lbs.	0
1336-36-3	Polychlorinated biphenyls (PCBs)	10 lbs.	1
N590	Polycyclic aromatic compounds (PACs)	100 lbs.	31
79-94-7	Tetrabromobisphenol A (TBBPA)	100 lbs.	0
8001-35-2	Toxaphene	10 lbs.	0
1582-09-8	Trifluralin	100 lbs.	0

Table 3 provides an overview and summary of 2021 PBT data. The data are organized as in Table 1, Chapter 1. In order to avoid duplicate counting, data extracted and re-aggregated in Section 8 from Sections 5 and 6 of Form R have not been included as "On-Site Management" in Table 3.

Table 3. Summary of Data by Type of Release, Transfer and On-Site Management for PBT Chemicals (Dioxin and dioxin-like compounds are listed separately from the "Other PBT Chemicals" column because they were reported in grams, while the other PBT chemicals were reported in pounds. A conversion to pounds is shown adjacent to the reported number of dioxins in grams.)

On-Site Releases By Media (Section 5 of Form R)	Dioxin and Dioxin-Like Compounds* in amounts for the year		Other PBT chemicals in amounts for the year
	Grams (g)	Pounds (lbs)	Pounds (lbs)
Total Air	6.03	1.33E-02	12,032.59
Fugitive Air	0.02	4.58E-05	2,001.46
Stack Air	6.01	1.33E-02	10,031.13
Water	2.35	5.18E-03	1,929.44
Land	1.71	3.77E-03	218,137.07
Total On-Site Releases to Media	10.09	2.22E-02	232,099.10
Off-Site Transfers By Type (Section 6 of Form R)			
Publicly Owned Treatment Works (POTWs) (includes metals and metal compounds)	0.00	0.00E+00	435.25
Total Other Off-Site Transfers	16.83	3.71E-02	603,533.55
Off-Site Transfers for Recycling	2.89	6.36E-03	528,951.39
Off-Site Transfers for Energy Recovery	0.00	0.00E+00	1,891.93
Off-Site Transfers for Other Treatment	0.00	0.00E+00	2,876.43
Off-Site Transfers for Disposal	13.94	3.07E-02	69,813.81
Total Off-Site Transfers	16.83	3.71E-02	603,968.81
ON-SITE MANAGEMENT (Section 8 of Form R)			
Treated On-Site	0.00E+00	0.00E+00	6.50
Recycled On-Site	0.00E+00	0.00E+00	56,901.00
Energy Recovery On-Site	0.00E+00	0.00E+00	0.00
Total On-Site Management	0.00E+00	0.00E+00	56,907.50
Total PBT Chemicals Released On-site, Transferred Off-site, and Managed On-site by Reporting Facilities	26.92	0.06	892,975.41

* Facilities are allowed to report PBT chemicals up to 7 decimal places of accuracy. For presentation purposes the summary amounts in this table have been rounded; however, the integrity of facility reported data has been maintained in the database. The specific data reported by each facility are provided in Appendix G.

Comparing Table 3 (PBT information) to Table 1 (information on all TRI chemicals), the amount of reported PBTs released on-site (232,099 pounds) was approximately 0.86% of the total TRI chemicals released on-site to the environment. The reported PBTs managed on-site (56,908 pounds) were less than 1% (0.17%) of the total TRI chemicals managed on-site. The reported PBTs transferred off-site for treatment, recycling, energy recovery, or disposal (603,969 pounds) were approximately 1.11% of the total TRI chemicals transferred off-site. In 2020, the previous reporting year, the on-site releases of PBT contributed to 0.76% of the total releases, 0.01% of on-site management, and 3.01% of off-site transfers.

Information on the amounts of each individual chemical or chemical category released on-site, transferred off-site, and managed on-site for the 12 PBT chemicals reported by Virginia facilities is provided in Table 4.

Table 4. Reporting Year 2021 Amounts of TRI PBT Chemicals Released On-Site, Transferred Off-Site, and Managed On-Site by PBT (Dioxin and Dioxin-like compounds have been converted to pounds and included in the totals.)

Chemical Name	Released On-Site (in pounds)	Transferred Off-Site (in pounds)	Managed On-Site (in pounds)
Benzo(g,h,i)perylene	10.82	137.30	146.60
Chlordane	0.00	2.50	0.00
Dioxin and Dioxin-Like Compounds	0.02	0.04	0.00
Heptachlor	0.00	3.00	0.00
Lead	84,103.89	134,926.31	0.00
Lead Compounds	146,109.73	455,014.04	0.00
Mercury	2.27	2,044.38	0.00
Mercury Compounds	631.59	129.86	0.00
Methoxychlor	0.00	3.00	0.00
Polychlorinated biphenyls	0.00	18.43	0.00
Polycyclic aromatic compounds (PACs)	1,240.80	11,689.99	56,760.90
Total for all 12 chemical/categories	232,099.13	603,968.84	56,907.50

Of the PBTs listed in Table 4, lead, lead compounds, and PACs represented the most reported on-site releases to the environment, off-site transfers, and on-site management of PBT chemicals. Lead and lead compounds contributed to the bulk (99.19%) of the PBT on-site releases. Referring to Figure 5 in Chapter 1, lead and lead compounds ranked third in chemicals released on site to land in Virginia. Releases of lead and lead compounds and mercury and mercury compounds to the air (via stacks) or to the land (through fly ash disposal) can result from coal or oil combustion. PACs may form as a result of incomplete combustion of coal or oil or as a by-product of other industrial processes. PACs found in the waste stream can contain adequate British thermal units (BTUs) for energy recovery from incinerated waste.

Table 5 data show the distribution of PBTs versus reported activities (manufacturing, processing, or otherwise use). A facility may report more than one type of activity for a single TRI chemical.

Table 5. Activities and Uses of PBT Chemicals at Facilities (From Section 3 of the Form R) for 2021

Chemical Name	Activities Reported						
	Manufacturing Only	Processing Only	Otherwise Use Only	Both Manufacturing & Processing	Both Manufacturing & Otherwise Use	Both Processing & Otherwise Use	Manufacturing & Processing & Otherwise Use
Benzo(g,h,i)perylene	2	10	1	3	1	0	3
Chlordane	0	1	0	0	0	0	0
Dioxin and Dioxin-Like Compounds	18	1	0	3	0	0	0
Heptachlor	0	1	0	0	0	0	0
Lead	0	59	23	4	2	4	1
Lead Compounds	4	31	6	8	8	1	11
Mercury	0	3	1	0	1	0	0
Mercury Compounds	0	3	0	4	2	0	5
Methoxychlor	0	1	0	0	0	0	0
Polychlorinated biphenyls	0	0	1	0	0	0	0
Polycyclic aromatic compounds (PACs)	2	10	2	7	6	0	3
Total for all 11 chemicals/categories	26	120	34	29	20	5	23

Table 5 shows “processing only” was the most frequently reported activity (120) involving PBT chemicals. “Processing only” was followed by “otherwise use only” (34) and “manufacturing only” (26).

The major industrial sectors which reported processing of lead or lead compounds were the furniture and fixture industries; stone, clay, glass, and concrete products industries; primary metal and fabricated metal products industries; electronic or electrical equipment manufacturers; petroleum bulk plant operators; and manufacturer of transportation equipment.

Dioxin and dioxin-like compounds are normally a product of incomplete combustion of waste streams containing chlorinated products.

Lead or lead compounds can be co-manufactured under chemical manufacturing processes or as a by-product of fuel (coal or fuel oil) combustion.

Industries such as primary metal; stone, clay, and glass products; transportation equipment manufacturers; electric power generation facilities; solvent recovery facilities; and paper and allied products industries were key reporters of lead compounds and mercury compounds in all three (manufacturing, processing, and otherwise used) activities.

Chapter Three – Industrial Sectors, Facilities and Locations

In this chapter, data are presented by industrial sectors, as identified by the primary North American Industry Classification System Code (Part One), facilities (Part Two), and facility locations (Part Three). The chapter identifies the top 10 Virginia industrial sectors, facilities, and facility locations (also referred to as jurisdictions) based on the reported on-site releases and the total on-site management of TRI chemicals.

As with Table 1 (Chapter 1) and Table 3 (Chapter 2), in order to avoid double counting, the data in this chapter for on-site management do not include the data extracted and re-aggregated from Sections 5 and 6 of Form R. Complete rankings of industrial sectors, facilities, and jurisdictions are included in Appendices H, I and J.

Part One - Industrial Sectors

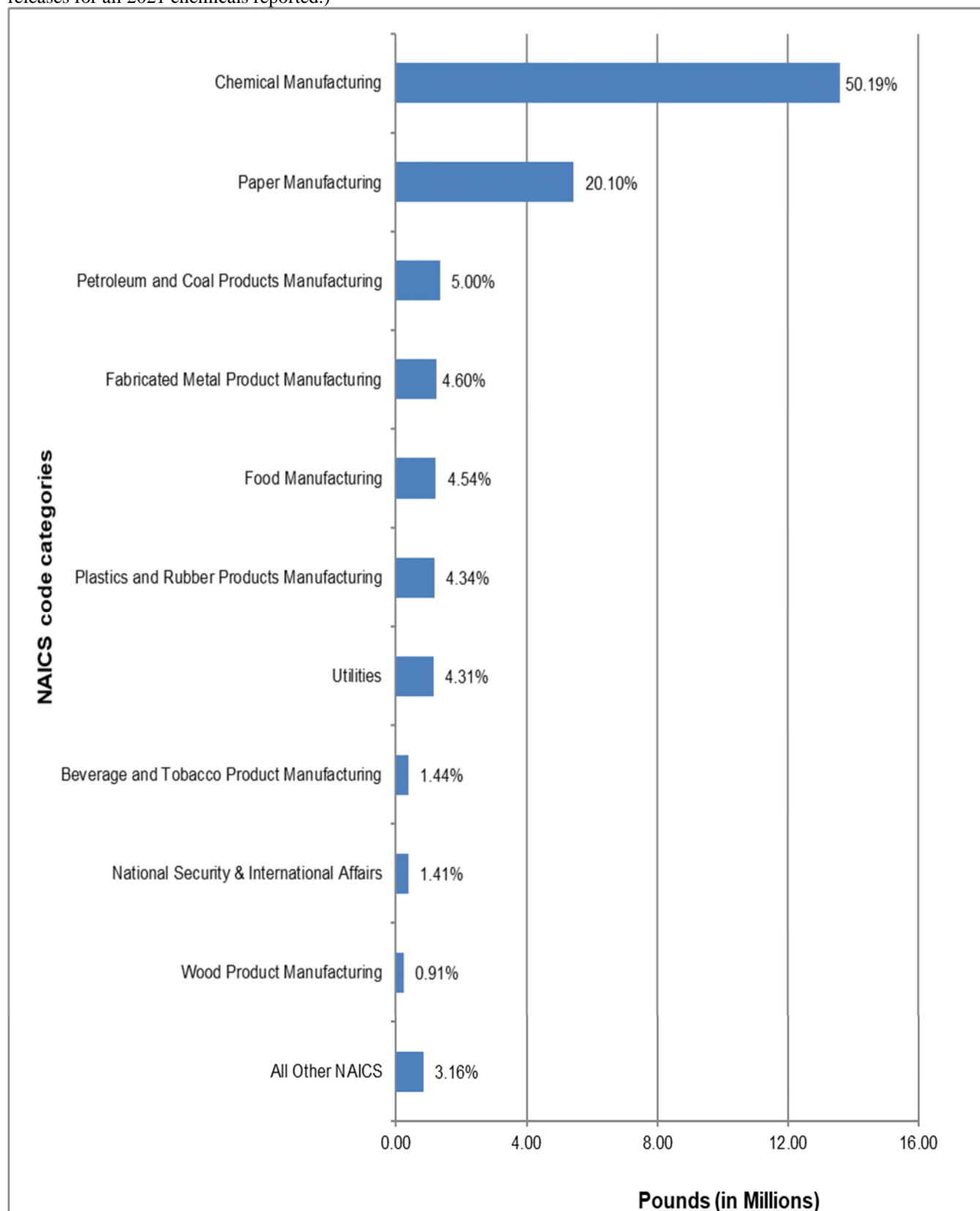
Industrial Sectors Reporting On-Site Releases of TRI Chemicals

Twenty-six industrial sectors, including federal facilities, are subject to TRI reporting requirements (see Appendix C).

The three industrial sectors reporting the most on-site releases of TRI chemicals for 2021, based on the primary North American Industrial Classification System (NAICS) Code, were: chemical manufacturing; paper manufacturing; and petroleum and coal products manufacturing. These three sectors contributed to 75.30% of the total on-site releases to the environment. The remaining top 10 industrial sectors for 2021 were: fabricated metal product manufacturing, food manufacturing, plastics and rubber manufacturing, utilities, beverage and tobacco product manufacturing, national security and international relations, and wood product manufacturing.

A complete ranking of industrial sectors reporting on-site TRI releases is provided in Appendix H-1.

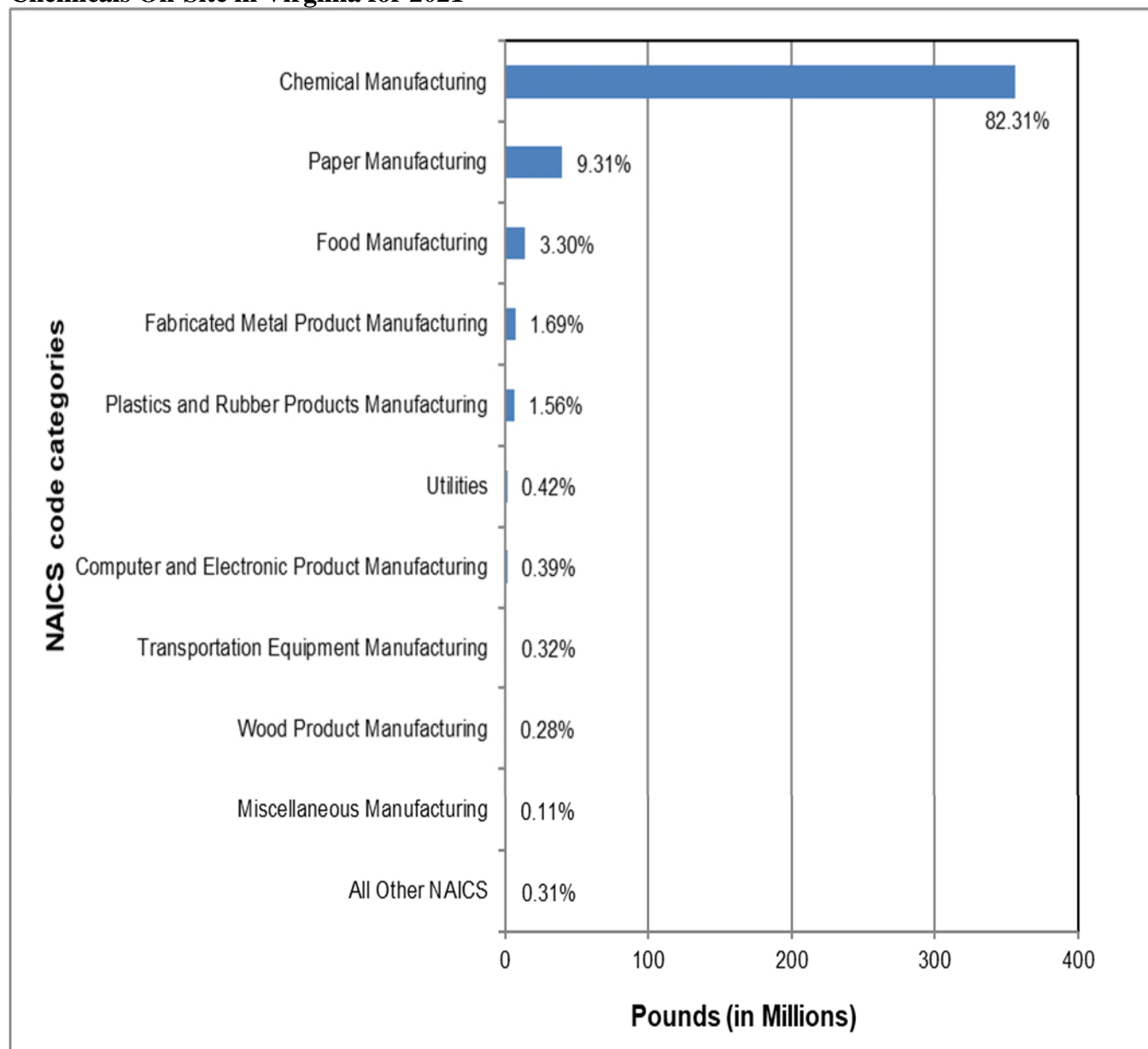
Figure 9. Top 10 Reporting Industrial Sectors (based on NAICS codes) Releasing TRI Chemicals On-Site in Virginia for 2021 (From Section 5 of the Form R. The number next to each bar is the % of total on-site releases for all 2021 chemicals reported.)



Industrial Sectors Reporting On-Site Management of TRI Chemicals

The three industrial sectors reporting the most on-site management of TRI chemicals (see Figure 10) for 2021 based on the primary NAICS Code were: chemical manufacturing, paper manufacturing, and food manufacturing. These three sectors contributed to 94.93% of the total of on-site management of TRI chemicals. The remaining top 10 industrial sectors for 2021 were: fabricated metal products manufacturing, plastics and rubber manufacturing, utilities, computer and electronics manufacturing, transportation equipment manufacturing, wood product manufacturing, and miscellaneous manufacturing. A complete ranking of industrial sectors reporting on-site TRI management is provided in Appendix H-2.

Figure 10. Top 10 Reporting Industrial Sectors (based on NAICS codes) Managing TRI Chemicals On-Site in Virginia for 2021



(From Section 8 of the Form R. The number next to each bar is the % total of on-site management for all 2021 chemicals reported. Figure 10 does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)

Part Two - Facilities

Facilities Reporting On-Site Releases of TRI Chemicals

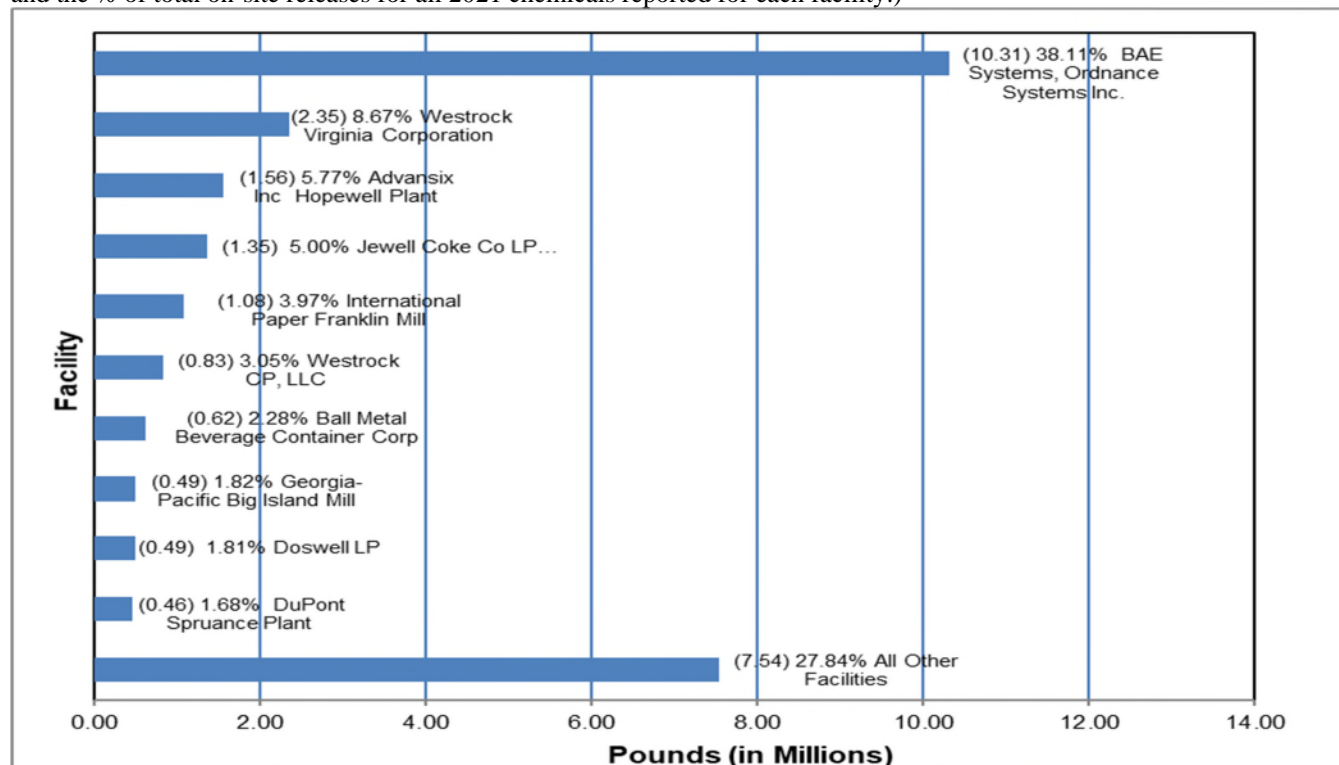
Virginia facilities that reported the highest contributions to the on-site release of TRI chemicals to the air (fugitive and stack), water, and land in 2021 were:

- BAE Systems, Ordnance Systems Inc. - City of Radford, Montgomery County
- Westrock Virginia Corporation - City of Covington
- Advansix, Inc. - Hopewell Plant - City of Hopewell
- Jewell Coke Co L.P. - Buchanan County
- International Paper Franklin Mill - City of Franklin
- Westrock CP, LLC - West Point - King William County
- Ball Metal Container Corporation - City of Williamsburg
- Georgia-Pacific Big Island Mill - Bedford County
- Doswell LP - Hanover County
- DuPont Spruance Plant - Chesterfield County

These facilities accounted for 72.16% (14.22 million pounds) of all reported TRI releases for 2021. Of the 10 facilities, four are paper manufacturing facilities; three are chemical manufacturing facilities, one is a metal can manufacturer, one is a power generation facility; and one is a petroleum and coal products manufacturing facility.

Figure 11 shows the quantity of TRI chemicals each of these facilities released in Virginia in 2021. See Appendix I-1 for a complete ranking of on-site releases by facility.

Figure 11. 2021 Top 10 Virginia Facilities Reporting Releases of TRI Chemicals On-Site (From Section 5 of Form R. The numbers next to each bar are the total on-site releases (in millions of pounds), in the parentheses and the % of total on-site releases for all 2021 chemicals reported for each facility.)



Facilities Reporting On-Site Management of TRI Chemicals

Figure 12 shows the 10 Virginia facilities reporting management of the greatest quantity of TRI chemicals on-site in 2021 other than releases. These facilities were:

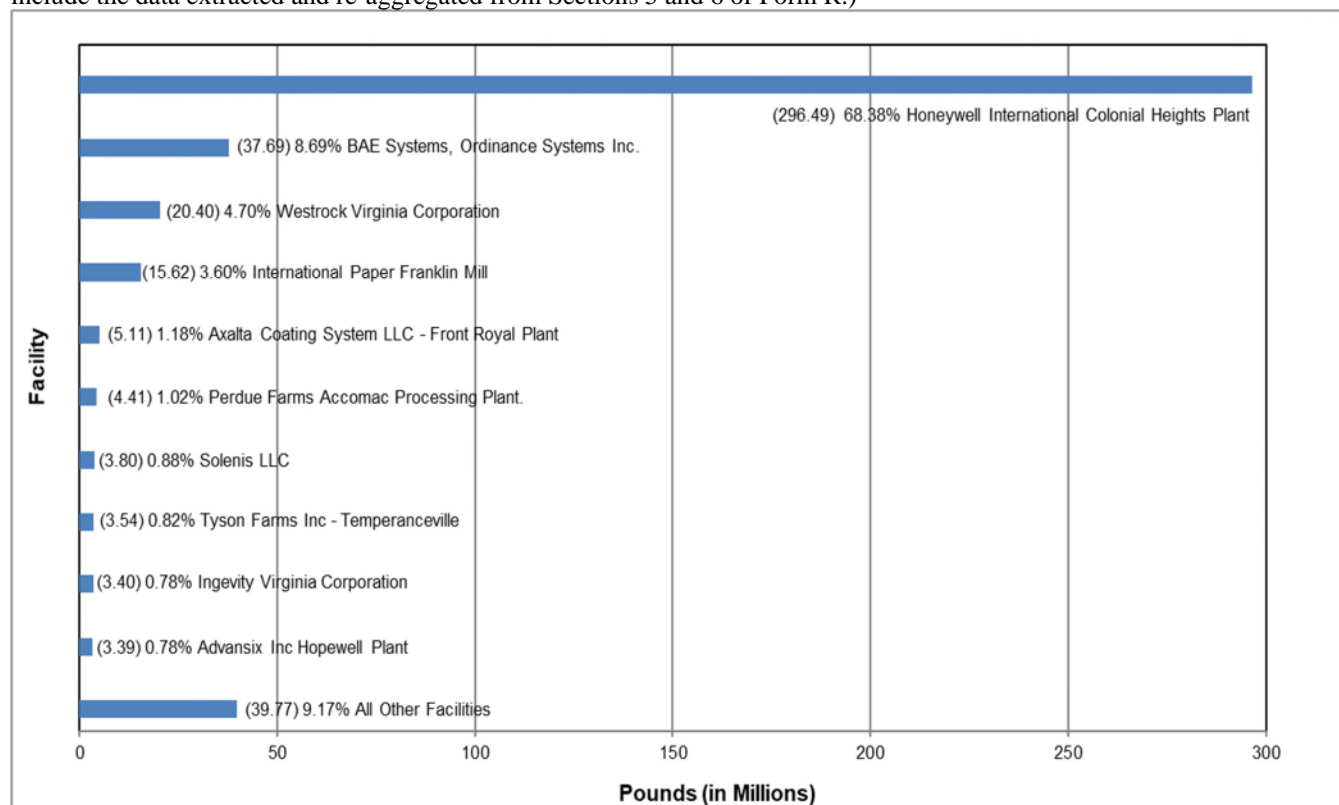
- Honeywell International Colonial Heights Plant - City of Colonial Heights
- BAE Systems, Ordinance Systems Inc. - Radford, Montgomery County
- Westrock Virginia Corporation - City of Covington
- International Paper Franklin Mill - City of Franklin
- Axalta Coating Systems, LLC - Front Royal Plant - Front Royal, Warren County
- Perdue Farms Accomack Processing Plant - Accomack County
- Solenis, LLC - Suffolk County
- Tyson Farms, Inc. - Temperanceville - Accomack County
- Ingevity Virginia Corporation - City of Covington
- Advansix Inc. Hopewell Plant - City of Hopewell

These facilities accounted for approximately 90.83% (393.84 million pounds) of all reported on-site management (other than releases) in 2021.

Figure 12 shows the quantity each of these facilities managed on-site. Of the 10 facilities, six are chemical manufacturing facilities; two are paper manufacturing facilities; and two are food manufacturing facilities. See Appendix I-2 for a ranking of on-site management by facility.

Figure 12: 2021 Top 10 Virginia Facilities Managing TRI Chemicals On-Site, Other than Releases

(From Section 8 of the Form R. The number next to each bar is the total on-site management (in millions of pounds) for each facility, in the parentheses, and the % of total on-site management of TRI chemicals for each facility. This figure does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)



Part Three - Jurisdictions

Jurisdictions with Facilities Reporting On-Site Releases of TRI Chemicals

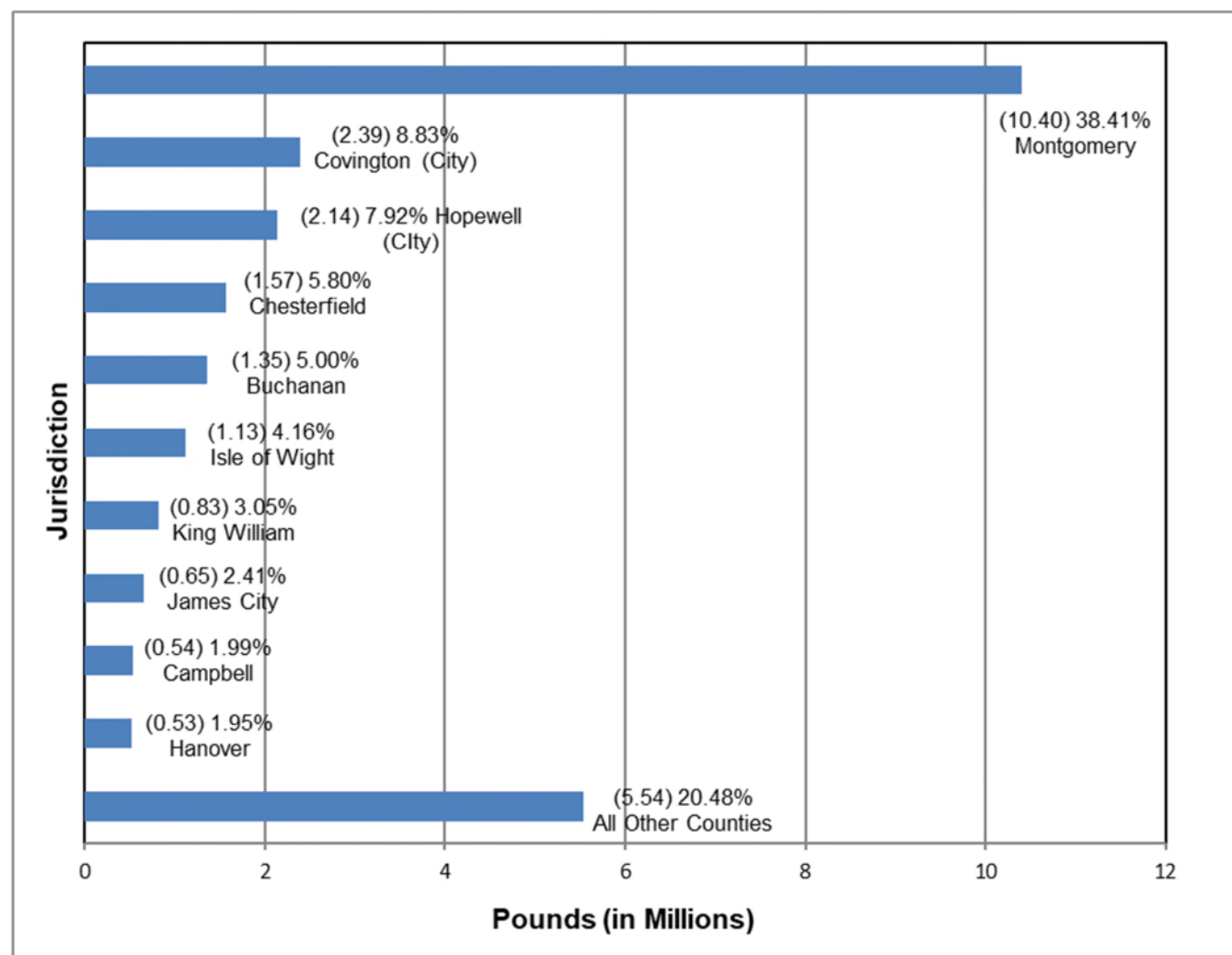
The Virginia jurisdictions (counties and independent cities) with facilities having the largest reported amount of total TRI chemicals released on-site to the environment (air, water, and land) in 2021 were: Montgomery County, City of Covington, City of Hopewell, Chesterfield County, Buchanan County, Isle of Wight County, King William County, James City County, Campbell County, and Hanover County.

The reported on-site releases occurring within these jurisdictions comprised 79.52% (21.52 million pounds) of the total TRI chemicals released on-site into the environment by reporting facilities in Virginia.

Appendix J-1 contains a ranking of jurisdictions by the on-site releases of facilities located in each jurisdiction. Furthermore, Appendices F and G contain detailed information about facilities located in these jurisdictions.

Figure 13. 2021 Top 10 Virginia Jurisdictions for On-Site TRI Releases Reported by Facilities

(From Section 5 of the Form R. The number next to each bar represents the total on-site releases (in millions of pounds), in the parentheses, and the % of the total on-site releases for each jurisdiction.)

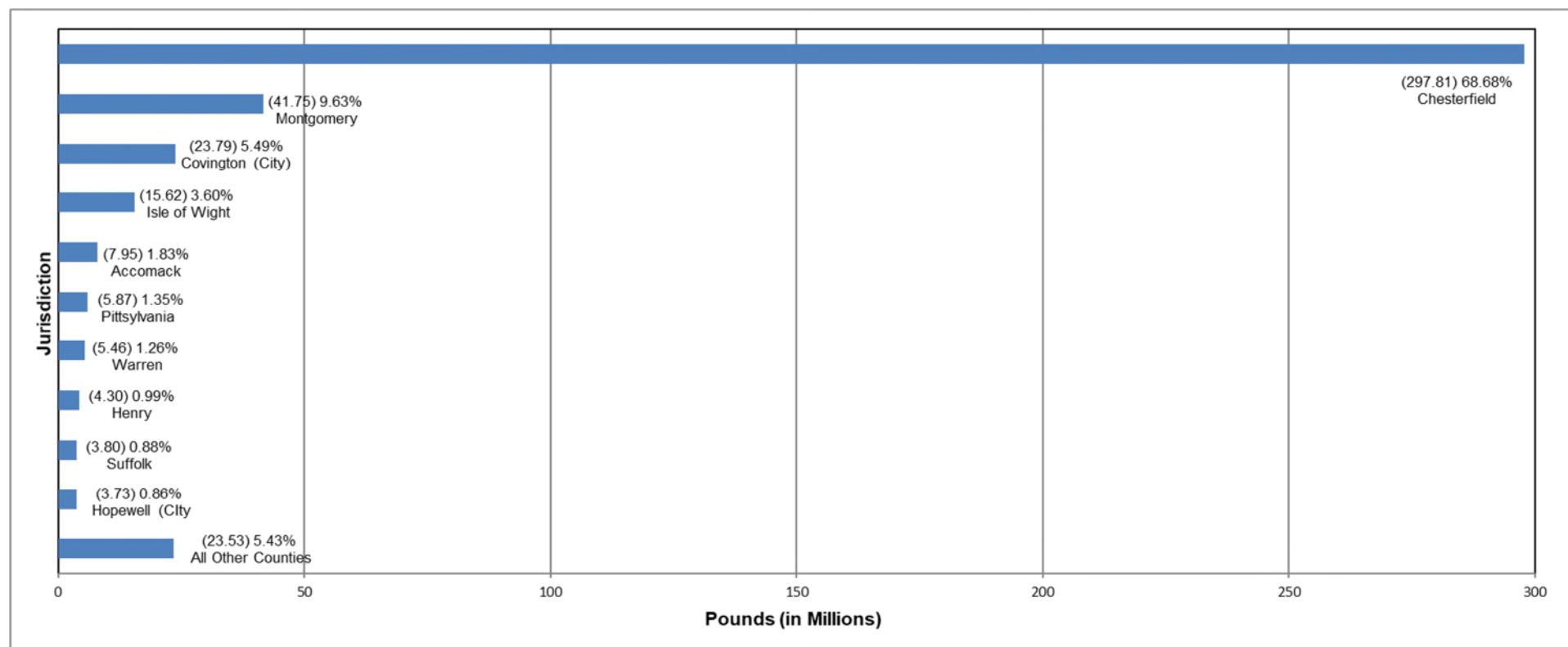


Jurisdictions with Facilities Reporting Other On-site Management of TRI Chemicals

The Virginia jurisdictions with facilities having the largest total reportable TRI chemicals managed on-site (other than releases) were: Chesterfield County, Montgomery County, City of Covington, Isle of Wight County, Accomack County, Pittsylvania County, Warren County, Henry County, City of Suffolk and City of Hopewell. The on-site management of these chemicals in these jurisdictions comprised 94.57% (410.08 million pounds) of the total managed on-site (other than releases) by reporting facilities in Virginia.

Appendix J-2 contains a ranking of jurisdictions by the on-site management of facilities located there. Furthermore, Appendices F and G contain detailed information about facilities located in these jurisdictions.

Figure 14. 2021 Top 10 Virginia Jurisdictions for TRI Chemicals Managed On-Site as Reported by Facilities: (From Section 8 of the Form R. The number next to each bar is the total on-site management (in millions of pounds), in the parentheses, and the % of the total of TRI chemicals managed on-site for each jurisdiction. Figure 14 does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)



Chapter Four – Virginia TRI Historical Comparison

Since its inception, the TRI program has been expanding and evolving, providing more information to the public about the presence and release of toxic and hazardous chemicals in communities. Over the past 30 years, various regulatory changes have occurred. In addition, facilities are authorized to revise reports from previous years. Allowing facilities to submit revised reports for previous years makes direct comparison of current data to historical reports difficult and potentially misleading. Appendix E provides further information about the changes in reporting requirements and sets out limited historical data which have been standardized.³

Nevertheless, reporting years 2019, 2020, and 2021 are generally comparable and Chapter Four presents data for those three years. All revisions for these reporting years received on or before Jan. 9, 2023, have been incorporated.

Table 6 compares TRI data for reporting years 2019 to 2021 by type of release, transfer, and on-site management.

For reporting year 2021 the total amount of on-site releases shows a decrease from the corresponding amount for reporting year 2020, off-site transfers decreased, and on-site management increased from the corresponding amounts for reporting year 2020. From 2020 to 2021 the total TRI chemicals released on-site, transferred off-site, or managed on-site increased by 2.70%.

Table 6 shows the changes with respect to on-site releases from reporting year 2020 to 2021, including a 5.26% decrease in on-site releases to air, a 2.41% decrease in on-site releases to water, and a 12.45% decrease in on-site releases to land. There was an overall decrease of 4.39% for on-site releases from 2020 to 2021.

The overall quantities of TRI chemicals transferred off-site for further management or disposal decreased by 9.58% from 2020 to 2021. With respect to off-site transfers, Table 6 shows a 30.27% decrease in TRI chemicals being transferred off site for energy recovery and a 21.55% decrease in TRI chemicals being transferred off-site for disposal from 2020 to 2021.

Table 6 also shows that the on-site management of TRI chemicals through treatment, recycling, or energy recovery increased in 2021. The 2021 report data show a decrease in on-site energy recovery by 4.67%, an increase in on-site recycling by 6.94%, and a 1.74 decrease in on-site treatment. The overall quantities of TRI chemicals managed on-site increased by 4.98% for 2021.

Longer term trends can be seen in the last column of Table 6. Over three years, on-site releases of TRI chemicals decreased by 1.19%, off-site transfers decreased by 14.82%, and on-site management decreased by 6.70%. From 2019 through 2021, Virginia facilities reported a 7.37% decrease in the release, transfer, or other management of TRI chemicals.

³ The information in Appendix E is historical and is for general comparison purposes only.
Virginia TRI Report – Summary of Data
from 2021 Facility Reports (issued March 2023)

Table 6. Comparison Summary Data by Type of Release, Transfer and On-Site Management for TRI Chemicals for 2019, 2020 and 2021
(from Table 1)

Management Activities	RY 2019 (Pounds)	RY 2020 (Pounds)	RY 2021 (Pounds)	Changes 2020-2021	% Change 2020-2021	% Change 2019-2021
On-Site Releases						
Air (Total)	15,078,985.88	14,674,288.06	13,902,322.61	-771,965.45	-5.26%	-7.80%
Fugitive Air	3,166,070.30	3,216,548.65	3,481,628.72	265,080.06	8.24%	9.97%
Stack Air	11,912,915.58	11,457,739.41	10,420,693.89	-1,037,045.51	-9.05%	-12.53%
Water	10,824,345.62	12,218,106.47	11,923,694.73	-294,411.75	-2.41%	10.16%
Land	1,488,490.33	1,416,104.53	1,239,755.30	-176,349.23	-12.45%	-16.71%
Total	27,391,821.84	28,308,499.07	27,065,772.64	-1,242,726.43	-4.39%	-1.19%
Off-Site Transfers						
POTW	17,589,557.94	14,782,044.71	13,356,709.06	-1,425,335.65	-9.64%	-24.06%
Other Off-Site Transfers	46,482,726.99	45,575,740.21	41,220,629.29	-4,355,110.92	-9.56%	-11.32%
Recycling	23,864,739.28	24,173,331.94	22,307,679.92	-1,865,652.02	-7.72%	-6.52%
Energy Recovery	4,429,693.86	4,530,339.12	3,159,121.59	-1,371,217.53	-30.27%	-28.68%
Other Treatment	14,954,022.46	14,071,673.65	13,557,001.34	-514,672.32	-3.66%	-9.34%
Disposal	3,234,271.39	2,800,395.50	2,196,826.44	-603,569.06	-21.55%	-32.08%
Total	64,072,284.93	60,357,784.92	54,577,338.35	-5,780,446.57	-9.58%	-14.82%
On-Site Management						
Treated On-Site	94,001,979.87	89,232,121.35	87,681,980.85	-1,550,140.50	-1.74%	-6.72%
Recycled On-Site*	367,379,113.96	320,993,150.15	343,257,849.12	22,264,698.97	6.94%	-6.57%
Energy Recovery On-Site	3,387,634.00	2,803,158.00	2,672,179.67	-130,978.33	-4.67%	-21.12%
Total	464,768,727.83	413,028,429.50	433,612,009.64	20,583,580.14	4.98%	-6.70%
Grand Total	556,232,834.59	501,694,713.49	515,255,120.63	13,560,407.14	2.70%	-7.37%

*Reported amounts of TRI chemicals for energy recovery on-site for 2019 and 2020 have been revised to reflect the change in reporting methodology used by Ashland Specialty Ingredients for 2021.

Table 7 compares, in detail, the TRI data for PBT chemicals by type of release, transfer, and on-site management for reporting years 2019 to 2021. From 2020 to 2021, the total of PBT chemicals released on-site, transferred off-site, or managed on-site increased by 11.11%.

The data show an increase in releases to water and land, and a decrease in releases to air of PBT chemicals compared to 2020. Table 7 also shows an increase of PBT chemicals transferred off-site and a decrease in PBT chemicals managed on-site for reporting years 2019 to 2021.

Table 7. Comparison Summary Data by Type of Release, Transfer and On-site Management for PBT chemicals for 2019, 2020 and 2021
(from Table 3).

Management Activities	RY 2019 (Pounds)	RY 2020 (Pounds)	RY 2021 (Pounds)	Changes 2020-2021 (Pounds)	% Change 2020-2021	% Change 2019-2021
On-Site Releases						
Air (Total)	12,472.39	12,818.97	12,032.60	-786.37	-6.13%	-3.53%
Fugitive Air	2,211.57	2,374.49	2,001.46	-373.03	-15.71%	-9.50%
Stack Air	10,260.82	10,444.48	10,031.15	-413.34	-3.96%	-2.24%
Water	1,869.47	1,830.80	1,929.45	98.65	5.39%	3.21%
Land	235,709.21	201,633.07	218,137.07	16,504.00	8.19%	-7.46%
Total	250,051.08	216,282.85	232,099.13	15,816.28	7.31%	-7.18%
Off-Site Transfers						
Potw	589.23	505.72	435.25	-70.46	-11.96%	-26.13%
Other Off-Site Transfers	1,931,036.43	510,936.90	603,533.59	92,596.69	4.80%	-68.75%
Recycling	1,838,806.08	416,143.05	528,951.39	112,808.35	6.13%	-71.23%
Energy Recovery	0.81	3,140.84	1,891.93	-1,248.91	-154186.42%	233471.60%
Other Treatment	2,474.52	1,854.90	2,876.43	1,021.53	41.28%	16.24%
Disposal	89,755.02	89,798.11	69,813.84	-19,984.27	-22.27%	-22.22%
Total	1,931,625.66	511,442.61	603,968.84	92,526.23	4.79%	-68.73%

	RY 2019 (Pounds)	RY 2020 (Pounds)	RY 2021 (Pounds)	Changes 2020-2021 (Pounds)	% Change 2020-2021	% Change 2019-2021
Management Activities						
On-Site Management						
Treated On-Site	8.10	8.10	6.50	-1.60	-19.75%	-19.75%
Recycled On-Site	147,058.30	75,976.00	56,901.00	-19,075.00	-12.97%	-61.31%
Energy Recovery On-Site	0.00	0.00	0.00	0.00	0.00%	0.00%
Total	147,066.40	75,984.10	56,907.50	-19,076.60	-12.97%	-61.30%
Grand Total	2,328,743.14	803,709.56	892,975.47	89,265.90	11.11%	-61.65%

Chapter Five - Conclusion

The 2021 Virginia TRI Report is issued pursuant to Virginia Code §10.1-1186.1. The report has information on chemicals and chemical categories, activities involving their use, industrial sectors, facilities and facility locations (jurisdictions).

The report provides information concerning listed toxic chemicals and chemical categories that are manufactured, processed, or otherwise used at Virginia facilities, including amounts released to the environment, transferred off-site and managed on-site. Industry and the public can use the data in a variety of ways, including as a measurement of progress toward reduction targets. As noted previously the majority of the releases to the environment included in the TRI report occur under a federal or state permitting program determined to be protective of human health and the environment.

Appendix A – Glossary of Terms

Coincidental Manufacture – Production of an EPCRA section 313 chemical as a byproduct or impurity as a result of the manufacture, processing, otherwise use, treatment, disposal, or other waste management of other chemical substances.

Energy Recovery – Recovery of useful energy from waste mainly through combustion of chemical waste.

Facility – Defined for the purposes of TRI reporting as all buildings, equipment, structures, and other stationary items which are located on a single site or on contiguous or adjacent sites and which are owned or operated by the same person (entity).

Fugitive (Non-Point) Air Releases – Emissions to the air that are not conveyed through stacks, vents, ducts, pipes, or other confined air streams within the boundaries of a facility. Examples include equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, and evaporative losses from surface impoundments and spills.

Manufacture – To produce, prepare, import, or compound a toxic chemical.

North American Industry Classification System (NAICS) - NAICS is the standard used by Federal statistical agencies which collect or publish data by industry. It is a system for classifying an establishment by type of economic activity.

Off-Site Locations – Locations outside the boundaries of a facility to which wastes are transported for treatment, energy recovery, recycling, or disposal.

Otherwise Use – Any use of a toxic chemical at a facility which is not covered by the definitions of manufacture or process. This includes any activities in which a listed toxic chemical does not become intentionally incorporated into the final product for distribution in commerce. Examples of otherwise use include degreasers, solvents in paints that are applied to a product, chemicals used in water treatment, and refrigerants or coolants.

Persistent Bio-accumulative Toxic (PBT) chemical – A chemical that is stable for a long period of time, and builds up in the environment, particularly in food chains.

Publicly Owned Treatment Works (POTW) – A wastewater treatment facility which is owned by a unit of the government.

Process – Refers to the preparation of a listed toxic chemical after its manufacture, for distribution in commerce. Processing is usually the intentional incorporation of a toxic chemical into a product. It includes making mixtures, repackaging, and using a toxic chemical as a feedstock, raw material, or starting material for making another chemical.

Recycle – The process of capturing a useful product from a waste stream. Solvent recovery, metals recovery, and acid regeneration are examples of recycling.

Releases – Refers to on-site discharges of TRI chemicals to the air, water, land, and disposal in underground injection wells (none in Virginia). They include permitted, accidental, and non-permitted discharges.

Releases to Air – See fugitive (non-point) air releases and stack (point source) air releases.

Releases to Land – Refers to land-filling, surface impoundment, land treatment/application farming or any other release of a toxic chemical to land within the boundaries of a facility.

Releases to Water – Refers to discharging of chemicals to surface waters such as rivers, lakes, ponds, and streams within the boundaries of a facility.

Source Reduction/Pollution Prevention – Activities that reduce the quantity and /or toxicity of wastes generated. Improved operation and maintenance, process and equipment modification, conservation practices, material substitution, product modification, and in-process recycling are examples of pollution prevention.

Stack (Point Source) Air Releases – Emissions to the air that are conveyed through stacks, vents, ducts, pipes, or other confined air streams within the boundaries of a facility. Examples include storage tank emissions and emissions from air pollution control equipment.

Standard Industrial Classification Code (SIC Code) – A four digit number code designated by the Federal Office of Management and Budget to describe the type of activity(s) at a facility. The first two numbers of the code define a major business sector, and the last two numbers define a facility's specialty within the major sector.

Toxic – A substance that produces or causes systemic damage to an organism.

Transfers – Refers to TRI chemicals sent off-site for energy recovery, recycling, treatment, or disposal. They are reported as transfers to either Publicly Owned Treatment Works (POTWs) or other off-site transfers (non-POTWs) such as incinerators, landfills, other treatment, recycling, energy recovery, or disposal facilities not part of the reporting facility.

Appendix B – Supplementary Resources

Additional TRI data and individual facility information are available for the 1997 through 2021 reporting years. If you would like additional information on specific facilities or chemicals, please call DEQ's SARA Title III Office at (804) 350-5623 or direct your request in writing to the Virginia Department of Environmental Quality, SARA Title III Office, P.O. Box 1105, Richmond, Virginia, 23218.

1. TRI data can be accessed on the Internet through DEQ SARA Title III Program web page: <https://www.deq.virginia.gov/land-waste/superfund-amendments-and-reauthorization-act-sara/toxics-release-inventory>
2. The Form Rs submitted by facilities within the state are on file at DEQ. Any inquiries about Form R information or the TRI program in Virginia should be made to the SARA Title III Program Coordinator.
3. The U.S. Environmental Protection Agency's Toxic Release Reporting Center is the national repository for all TRI reports submitted to the EPA. The data is available via EPA's website at <https://www.epa.gov/toxics-release-inventory-tri-program/find-understand-and-use-tri>.
4. Any questions regarding the Emergency Planning and Community Right to Know Act (EPCRA) can be forwarded to EPA's toll free EPCRA call center. The phone numbers are: (800) 424-9346 (select option #4 from menu), or (703) 348-5070.
5. The Toxic Release Inventory – Made Easy Web (TRI-MEweb) includes instructions for on-line reporting and submittal of TRI reports. The TRI-MEweb Resources page on EPA's website contains guidance documents and tutorials to help facilities with TRI reporting. For more information visit EPA's website: <http://www.epa.gov/toxics-release-inventory-tri-program/tri-meweb-resources>.
6. **ENVIROFACTS** integrates data extracted from several EPA programs, including TRI. ENVIROFACTS allows users to search the database by facility name, its location, by chemical, or by NAICS code. <http://www3.epa.gov/enviro/>.
7. **TRI Explorer** is another tool provided by EPA, which allows users to search TRI data by county, facility, chemical, etc. https://enviro.epa.gov/triexplorer/tri_release.chemical.
8. **EPCRA Section 313** program information and consolidated list of chemicals subject to EPCRA Section 313 and other federal programs, please visit EPA's website: <http://www.epa.gov/tri/>.
9. **EPA's Risk Screening Environmental Indicators (RSEI)** is a computer based model that uses TRI data for analysis of risk-related impacts of toxic chemical releases and transfers in the US. <https://www.epa.gov/rsei>.

Appendix C – TRI Covered Industry Groups by North American Industry Classification System

TRI covered industry groups are identified by the following North American Industry Classification Systems (NAICS) sub-sector codes and general industry types:

- 111 Crop Production
- 112 Poultry Production
- 211 Oil and Gas Extraction
- 212 Mining
- 221 Utilities
- 238 Specialty Trade Contractors
- 311 Food Manufacturing
- 312 Beverage and Tobacco Product Manufacturing
- 313 Textile Mills
- 314 Textile Product Mills
- 315 Apparel Manufacturing
- 316 Footwear Manufacturing
- 321 Wood Product Manufacturing
- 322 Paper Manufacturing
- 323 Printing and Related Support Activities
- 324 Petroleum and Coal Products Manufacturing
- 325 Chemical Manufacturing
- 326 Plastics and Rubber Products Manufacturing
- 327 Nonmetallic Mineral Product Manufacturing
- 331 Primary Metal Manufacturing
- 332 Fabricated Metal Product Manufacturing
- 333 Machinery Manufacturing
- 334 Computer and Electronic Product Manufacturing
- 335 Electrical Equipment, Appliance, and Component Manufacturing
- 336 Transportation Equipment Manufacturing
- 337 Furniture and Related Product Manufacturing
- 339 Miscellaneous Manufacturing
- 424 Merchant Wholesalers, Non Goods

425	Wholesale Electronic Markets and Agents and Brokers
454	Non-store Retailers
488	Other Airport Operations
493	Other Warehousing and Storage
562	Waste Management and Remediation Services
921	Executive, Legislative, and Other General Government Support
926	Administration of Economic Programs
924	Administration of Environmental Quality Programs
927	Space Research and Technology
928	National Security and International Affairs

Appendix D - 2021 VA TRI Reporting Forms

Please note that the TRI reporting forms in this appendix are for reference only. Do not submit these forms to EPA. All facilities are required to submit their TRI data electronically using the TRI-MEweb application, per the TRI Electronic Reporting Rule. A link to the reporting rule language can be found at the following address:
<http://www.epa.gov/toxics-release-inventory-tri-program/electronic-reporting-toxics-release-inventory-data>.

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FORM R Part II. CHEMICAL-SPECIFIC INFORMATION		TRI Facility ID Number	
		Toxic Chemical, Category, or Generic Name	

SECTION 1. TOXIC CHEMICAL IDENTITY
(Important: DO NOT complete this section if you are reporting a mixture component in Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
1.3	Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
-----	--

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical: a. <input type="checkbox"/> Produce b. <input type="checkbox"/> Import If Produce or Import c. <input type="checkbox"/> For on-site use/processing d. <input type="checkbox"/> For sale/distribution e. <input type="checkbox"/> As a byproduct f. <input type="checkbox"/> As an impurity	3.2 Process the toxic chemical: a. <input type="checkbox"/> As a reactant b. <input type="checkbox"/> As a formulation component c. <input type="checkbox"/> As an article component d. <input type="checkbox"/> Repackaging e. <input type="checkbox"/> As an impurity f. <input type="checkbox"/> Recycling	3.3 Otherwise use the toxic chemical: a. <input type="checkbox"/> As a chemical processing aid b. <input type="checkbox"/> As a manufacturing aid c. <input type="checkbox"/> Ancillary or other use
---	--	--

Enter 4-digit code(s) from instruction package

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	(Enter two-digit code from instruction package.)	
-----	--	--

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE

			A. Total Release (pounds/year*) (Enter a range code** or estimate)	B. Basis of Estimate (Enter code)	C. Percent from Stormwater
5.1	Fugitive or non-point air emissions	NA <input type="checkbox"/>			
5.2	Stack or point air emissions	NA <input type="checkbox"/>			
5.3	Discharges to receiving streams or water bodies (Enter one name per box)	NA <input type="checkbox"/>			
Stream or Water Body Name			Reach Code (optional)		
5.3.1					
5.3.2					

If additional pages of Part II, Section 3.2 and 3.3 are attached, indicate the total number of pages in this box and indicate the Part II, Section 3.2 and 3.3 page number in this box. (Example: 1, 2, 3, etc.)

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box and indicate the Part II, Section 5.3 page number in this box. (Example: 1, 2, 3, etc.)

EPA form 9350 -1 (Rev. 07/2020). Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year.

**Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.

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FORM R		TRI Facility ID Number		
Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)		Toxic Chemical, Category, or Generic Name		
SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE (continued)				
		NA	A. Total Release (pounds/year*) (Enter a range code** or estimate)	B. Basis of Estimate (Enter code)
5.4-5.5	Disposal to land on-site			
5.4.1	Class I Underground Injection Wells	<input type="checkbox"/>		
5.4.2	Class II-V Underground Injection Wells	<input type="checkbox"/>		
5.5.1A	RCRA Subtitle C landfills	<input type="checkbox"/>		
5.5.1B	Other landfills	<input type="checkbox"/>		
5.5.2	Land treatment/application farming	<input type="checkbox"/>		
5.5.3A	RCRA Subtitle C surface impoundments	<input type="checkbox"/>		
5.5.3B	Other surface impoundments	<input type="checkbox"/>		
5.5.4	Other disposal	<input type="checkbox"/>		
Optional Waste Rock Piles Information				
You may check this box if your Section 5.5 quantities include "waste rock piles." <input type="checkbox"/> Enter quantity of "waste rock piles" (pounds/year*)				
SECTION 6. TRANSFER(S) OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS				
6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs) NA <input type="checkbox"/>				
6.1. POTW Name				
POTW Address				
City		County	State	ZIP
A. Quantity Transferred to this POTW (pounds/year*) (Enter range code** or estimate)		B. Basis of Estimate (Enter code)		C. Disposal/Treatment (Enter code)
1.		1.		1. P
2.		2.		2. P
3.		3.		3. P
If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box				
and indicate the Part II, Section 6.1 page number in this box. (Example: 1, 2, 3, etc.)				
SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS NA <input type="checkbox"/>				
6.2. Off-Site EPA Identification Number (RCRA ID No.)				
Off-Site Location Name:				
Off-Site Address:				
City		County	State	ZIP
Country (non-US)				
Is this location under control of reporting facility or parent company? <input type="checkbox"/> Yes <input type="checkbox"/> No				

EPA form 9350-1 (Rev. 07/2020). Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year.

**Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.

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FORM R		TRI Facility ID Number
Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)		Toxic Chemical, Category, or Generic Name
SECTION 6.2. TRANSFERS TO OTHER OFF-SITE LOCATION (CONTINUED)		
A. Total Transfer (pounds/year*) (Enter a range code** or estimate)	B. Basis of Estimate (Enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)
1.	1.	1. M
2.	2.	2. M
3.	3.	3. M
6.2 Off-Site EPA Identification Number (RCRA ID No.)		
Off-Site Location Name:		
Off-Site Address:		
City	County	State ZIP Country (non-US)
Is this location under control of reporting facility or parent company? <input type="checkbox"/> Yes <input type="checkbox"/> No		
A. Total Transfer (pounds/year*) (Enter a range code** or estimate)	B. Basis of Estimate (Enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)
1.	1.	1. M
2.	2.	2. M
3.	3.	3. M
SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY		
<input type="checkbox"/> Not Applicable (NA) - Check here if no on-site waste treatment method is applied to any waste stream containing the toxic chemical or chemical category.		
a. General Waste Stream (Enter code)	b. Waste Treatment Method(s) Sequence (Enter 3- or 4-character code(s))	c. Waste Treatment Efficiency (Enter 2 character code)
7A.1a	7A.1b	7A.1c
3	1	2
6	4	5
7A.2a	7A.2b	7A.2c
3	1	2
6	4	5
7A.3a	7A.3b	7A.3c
3	1	2
6	4	5
7A.4a	7A.4b	7A.4c
3	1	2
6	4	5
7A.5a	7A.5b	7A.5c
3	1	2
6	4	5
If additional pages of Part II, Section 6.2/7.A are attached, indicate the total number of pages in this box (Example: 1, 2, 3, etc.)		

EPA form 9350 -1 (Rev. 07/2020). Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year.

**Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.

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FORM R		TRI Facility ID Number		
Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)		Toxic Chemical, Category, or Generic Name		
SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES				
<input type="checkbox"/> NA Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.				
Energy Recovery Methods (Enter 3-character code(s))				
1		2		
SECTION 7C. ON-SITE RECYCLING PROCESSES				
<input type="checkbox"/> NA Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.				
Recycling Methods (Enter 3-character code(s))				
1.		2.		
SECTION 8. SOURCE REDUCTION AND WASTE MANAGEMENT				
	Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1 – 8.7 Production-Related Waste Managed				
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills			
8.1b	Total other on-site disposal or other releases			
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills			
8.1d	Total other off-site disposal or other releases			
8.2	Quantity used for energy recovery on-site			
8.3	Quantity used for energy recovery off-site			
8.4	Quantity recycled on-site			
8.5	Quantity recycled off-site			
8.6	Quantity treated on-site			
8.7	Quantity treated off-site			
8.8	Non-Production-Related Waste Managed**			
8.9	<input type="checkbox"/> Production ratio or <input type="checkbox"/> Activity ratio (select one and enter value to the right)			
8.10	Did your facility engage in any newly implemented source reduction activities for this chemical during the reporting year? If so, complete the following section; if not, check NA. NA <input type="checkbox"/>			
	Source Reduction Activities (Enter code(s))	Methods to Identify Activity (Enter code(s))		Estimated annual reduction (Enter code(s)) (optional)
8.10.1		a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

EPA form 9350-1 (Rev. 07/2020). Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year.

**Includes quantities released to the environment or transferred off-site as a result of remedial actions, catastrophic events, or other one-time events not associated with production processes

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FORM R	
Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	
TRI Facility ID Number	
Toxic Chemical, Category, or Generic Name	
SECTION 8.11. DISPOSAL OR OTHER RELEASES, SOURCE REDUCTION, AND RECYCLING ACTIVITIES	
8.11	If you wish to submit additional optional information on source reduction, recycling, or pollution control activities, provide it here.
<div></div>	
SECTION 9. MISCELLANEOUS INFORMATION	
9.1	If you wish to submit any miscellaneous, additional, or optional information regarding your Form R submission, provide it here.
<div></div>	

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Form Approved OMB Number: 2070-0212
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		FORM R Schedule 1										TRI Facility ID Number	
PART II. CHEMICAL-SPECIFIC INFORMATION (continued)													
SECTION 5. QUANTITY OF DIOXIN AND DIOXIN-LIKE COMPOUNDS ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE													
		5.1	NA		5.2	NA		5.3	Discharges to receiving streams or water bodies (Enter data for one stream or water body per box)		NA		
		Fugitive or non-point air emissions			Stack or point air emissions			5.3.1		5.3.2		5.3.3	
D. Mass (grams) of each compound in the category (1-17)	1												
	2												
	3												
	4												
	5												
	6												
	7												
	8												
	9												
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
If additional pages of Section 5.3 are attached, indicate the total number of pages in this box <input type="text"/> and indicate the Section 5.3 page number in this box (Example: 1, 2, 3, etc.) <input type="text"/>													

See the Reporting Forms and Instructions for information on submissions and the Paperwork Reduction Act.

EPA Form 9350 -3 (Rev. 07/2020). Previous editions are obsolete.

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FORM R Schedule 1										TRI Facility ID Number															
PART II. CHEMICAL-SPECIFIC INFORMATION (continued)																									
SECTION 5. QUANTITY OF DIOXIN AND DIOXIN-LIKE COMPOUNDS ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE																									
5.4 – 5.5 Disposal to land on-site																									
		5.4.1	NA		5.4.2	NA		5.5.1.A	NA		5.5.1.B	NA		5.5.2	NA		5.5.3.A	NA		5.5.3.B	NA		5.5.4	NA	
		Class I Underground Injection Wells			Class II-V Underground Injection Wells			RCRA Subtitle C landfills			Other landfills			Land treatment/ application farming			RCRA Subtitle C surface impoundments			Other surface impoundments			Other disposal		
C. Mass (grams) of each compound in the category (1-17)	1																								
	2																								
	3																								
	4																								
	5																								
	6																								
	7																								
	8																								
	9																								
	10																								
	11																								
	12																								
	13																								
	14																								
	15																								
	16																								
	17																								

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FORM R Schedule 1										TRI Facility ID Number	
PART II. CHEMICAL-SPECIFIC INFORMATION (continued)											
SECTION 6. TRANSFERS OF DIOXIN AND DIOXIN-LIKE COMPOUNDS IN WASTES TO OFF-SITE LOCATIONS											
6.1. DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)										NA <input style="width: 50px;" type="text"/>	
6.1 <input style="width: 50px;" type="text"/>		D. Mass (grams) of Each Compound in the Category (1-17)									
1.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
2.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
3.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
6.1 <input style="width: 50px;" type="text"/>		D. Mass (grams) of Each Compound in the Category (1-17)									
1.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
2.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
3.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS										NA <input style="width: 50px;" type="text"/>	
6.2 <input style="width: 50px;" type="text"/>		D. Mass (grams) of Each Compound in the Category (1-17)									
1.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
2.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
3.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
6.2 <input style="width: 50px;" type="text"/>		D. Mass (grams) of Each Compound in the Category (1-17)									
1.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
2.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
3.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
If additional pages of Section 6.1 or 6.2 are attached, indicate the total number of pages in this box <input style="width: 80px;" type="text"/>											
and indicate the Section 6.1 or 6.2 page number in this box <input style="width: 80px;" type="text"/> (Example: 1, 2, 3, etc.)											

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FORM R Schedule 1											TRI Facility ID Number
PART II. CHEMICAL-SPECIFIC INFORMATION (continued)											
SECTIONS 8.1-8.8. WASTE MANAGEMENT QUANTITIES FOR DIOXIN AND DIOXIN-LIKE COMPOUNDS (current year only)											
	8.1-8.7 Production-related waste managed										8.8 Non-production related waste managed*
	8.1a Total on-site disposal to Class 1 Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	8.1b Total other on-site disposal or other releases	8.1c Total off-site disposal to Class 1 Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	8.1d Total other off-site disposal or other releases	8.2 Quantity used for energy recovery on-site	8.3 Quantity used for energy recovery off-site	8.4 Quantity recycled on-site	8.5 Quantity recycled off-site	8.6 Quantity treated on-site	8.7 Quantity treated off-site	
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											

*Includes quantities released to the environment or transferred off-site as a result of remedial actions, catastrophic events, or other one-time events not associated with production processes.

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Appendix D


Inventory

2021 Toxics Release

Form Approved OMB Number: 2070-0212

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 TOXICS RELEASE INVENTORY FORM A													
Complete form online via TRI-MEweb. For a trade secret submission, send completed forms to TRI Reporting Center, P. O. Box 10163, Fairfax, VA 22038. The annual public burden related to the Form A is estimated to average 21.96 hours per response for a facility filing a report on one chemical. See the Reporting Forms and Instructions for more information on submissions and the Paperwork Reduction Act.													
TRI Facility ID Number <input type="text"/>													
This section only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank.	<table border="1"> <tr> <td>Revision (Enter up to two code(s))</td> <td>Withdrawal (Enter up to two code(s))</td> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table>	Revision (Enter up to two code(s))	Withdrawal (Enter up to two code(s))	<input type="text"/>	<input type="text"/>								
Revision (Enter up to two code(s))	Withdrawal (Enter up to two code(s))												
<input type="text"/>	<input type="text"/>												
IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.													
PART I. FACILITY IDENTIFICATION INFORMATION													
SECTION 1. REPORTING YEAR <input type="text"/>													
SECTION 2. TRADE SECRET INFORMATION													
2.1 Are you claiming the toxic chemical identified on page 2 as a trade secret? <input type="checkbox"/> Yes (Answer question 2.2; attach substantiation forms) <input type="checkbox"/> No (Do not answer 2.2; go to Section 3)	2.2 Is this copy <input type="checkbox"/> Sanitized <input type="checkbox"/> Unsanitized (Answer only if "Yes" in 2.1)												
SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)													
I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in this statement, the annual reportable amount as defined in 40 CFR 372.27(a), did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed, or otherwise used in an amount not exceeding 1 million pounds during this reporting year.													
Name and official title of owner/operator or senior management official:	Signature: <input type="text"/> Date signed: <input type="text"/>												
SECTION 4. FACILITY IDENTIFICATION													
4.1 Facility or Establishment Name <input type="text"/>	TRI Facility ID Number <input type="text"/> BIA Code <input type="text"/>												
Physical Street Address <input type="text"/>	Mailing Address (if different from physical street address) <input type="text"/>												
City/County/State/ZIP Code <input type="text"/>	City/State/ZIP Code <input type="text"/> Country (Non-US) <input type="text"/>												
4.2 This report contains information for: (Important: Check c or d if applicable) c. <input type="checkbox"/> A Federal Facility d. <input type="checkbox"/> GOCO													
4.3 Technical Contact Name <input type="text"/>	Telephone Number (include area code and ext.) <input type="text"/>												
Email Address <input type="text"/>													
4.4 Public Contact Name <input type="text"/>	Telephone Number (include area code and ext.) <input type="text"/>												
Email Address <input type="text"/>													
4.5 NAICS Code(s) (6 digits)	<table border="1"> <tr> <td>Primary</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>a.</td> <td>b.</td> <td>c.</td> <td>d.</td> <td>e.</td> <td>f.</td> </tr> </table>	Primary						a.	b.	c.	d.	e.	f.
Primary													
a.	b.	c.	d.	e.	f.								
4.6 Dun & Bradstreet Number(s) (9 digits)	<table border="1"> <tr> <td>a.</td> <td></td> </tr> <tr> <td>b.</td> <td></td> </tr> </table>	a.		b.									
a.													
b.													
SECTION 5. PARENT COMPANY INFORMATION													
5.1 Name of U.S. Parent Company (for TRI Reporting purposes) <input type="text"/>	No U.S. Parent Company <input type="checkbox"/> (for TRI Reporting purposes)												
5.2 Parent Company's Dun & Bradstreet Number	NA <input type="checkbox"/>												

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Form Approved OMB Number: 2070-0212

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EPA FORM A		TRI Facility ID Number
PART II. CHEMICAL IDENTIFICATION		
Do not use this form for reporting PBT chemicals, including Dioxin and Dioxin-like Compounds*		
SECTION 1. TOXIC CHEMICAL IDENTITY		Report ____ of ____
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)	
SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above)		
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)	
SECTION 9.2. OPTIONAL POLLUTION PREVENTION AND ADDITIONAL INFORMATION FOR THIS TOXIC CHEMICAL		
9.2	If you wish to provide optional chemical specific pollution prevention or additional information, provide it here.	
SECTION 1. TOXIC CHEMICAL IDENTITY		Report ____ of ____
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)	
SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above)		
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)	
SECTION 9.2. OPTIONAL POLLUTION PREVENTION AND ADDITIONAL INFORMATION FOR THIS TOXIC CHEMICAL		
9.2	If you wish to provide optional chemical specific pollution prevention or additional information, provide it here.	

*See the TRI Reporting Forms and Instructions manual for the list of PBT Chemicals (including Dioxin and Dioxin-like Compounds)

EPA Form 9350 -2 (Rev. 07/2020). Previous editions are obsolete.

(Make additional copies of this page, if needed)

Appendix E -VA TRI Historical Trend

Since its inception, the TRI program has been expanding and evolving, providing more information to the public about the presence and release of toxic and hazardous chemicals in communities. As a result, over the past 33 years, major regulatory changes have occurred that have made the direct historical comparison of releases from 1988 to 2021 difficult and potentially misleading. The information in Appendix E is historical and for general comparison purposes only.

During the early years of the program there were no major reporting changes. From 1988 until 1994 the consistency between reporting sectors and chemicals made comparison straightforward.

The first major change in reporting requirements was the addition of 286 chemicals and chemical categories to the TRI list beginning with reporting year 1995. The addition of chemicals in reporting year 1995 created a new baseline for TRI comparisons. A second major change was the inclusion of seven new non-manufacturing sectors (sectors that had not previously reported) to the TRI facility coverage beginning in the 1998 reporting year. With this change, 1998 became the new baseline for historical comparison. The third major change began with reporting year 2000, when seven chemicals and two chemical categories were added to the TRI chemical list. These chemicals, and chemical categories must be subtracted from reporting year 2000, 2001, and 2002 data to make comparisons to 1998 and 1999 more accurate. A fourth major change for reporting year 2011 was the inclusion of 16 new chemicals to the list of reportable chemicals. Of the 16 new chemicals which were added, four of these are classified as Polycyclic Aromatic Compounds (PACs). PACs are Persistent Bio-accumulative Toxins (PBTs) chemicals, and as such, they are likely to remain in the environment for a very long time, are not readily destroyed, and may build up or accumulate in body tissue. Hydrogen Sulfide was added to the list in reporting year 2012 following the lifting of an administrative stay on Oct. 17, 2012. Ortho-Nitrotoluene was added to the list in reporting year 2016 following a final rule published by EPA which became effective on Nov. 29, 2013. The Nonylphenol category of chemicals was added to the 2021 reporting year chemicals list in a final rule effective on Sept. 20, 2016. The hexabromocyclododecane category was added to the chemical list in November 2020. The 2019 National Defense Authorization Act (NDAA) added 172 PFAS to the list of chemicals required to be reported to the Toxics Release Inventory (TRI) and established a 100-pound reporting threshold for these substances. As this action was taken to conform the TRI regulations to a Congressional legislative mandate, the rule became effective immediately. Per the NDAA requirements, the PFAS additions were effective as of January 1, 2020 and reporting forms for these PFAS chemicals were due on July 1, 2022, for calendar year 2020 data.

It should be noted beginning with reporting year 2001, lead and lead compounds were re-designated as PBT chemicals, and the threshold for reporting was reduced to 100 pounds. This caused facilities to submit more reports for lead and lead compounds for reporting years 2001 and 2002.

Table E-1 shows the amounts of releases to each media for reporting years 2008 through 2018 (without specified PBTs, or vanadium and vanadium compounds). Facility revisions for previous reporting years were not included in this comparison of on-site releases.

Appendix E

2021 Toxics Release Inventory

Table E-1. On-Site Releases Comparison from 2008 – 2018 (from Section 5 of Form R)

Chapter Four of the Virginia 2021 TRI Report covers the reporting period 2019 to 2021, and includes all chemicals and chemical compounds, and all facility revisions received through January 9, 2023.

Media	2008 (pounds)	2009 (pounds)	2010 (pounds)	2011 (pounds)	2012 (pounds)	2013 (pounds)	2014 (pounds)	2015 (pounds)	2016 (pounds)	2017 (pounds)	2018 (pounds)	% Change 2008 - 2018
Air	29,770,387	26,946,032	24,617,658	19,972,183	18,404,743	20,651,918	20,388,755	18,020,039	19,059,859	16,511,870	16,508,457	-44.55%
Water	20,284,859	18,301,212	17,687,071	16,714,204	11,763,752	11,707,977	11,164,687	11,535,717	13,571,328	11,297,989	9,137,578	-54.95%
Land	2,947,122	3,312,996	3,247,285	2,545,232	2,515,236	3,695,524	3,637,625	2,939,038	3,541,541	2,986,889	2,602,409	-11.70%
Total	53,002,368	48,560,240	78,463,236	39,231,618	32,683,731	36,055,419	35,191,067	32,494,794	36,172,727	30,796,747	28,248,444	-46.70%

Appendix F - 2021 Summary of Facilities, Chemical Releases, Transfers and Management (Non-PBT)

Appendix F: 2021 Summary of Facilities, Chemical Releases, Transfers, and Management (Non-PBT)
Alphabetical Listing by Facility
Within Each County/Independent City

2021 Toxics Release Inventory

Appendix F

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ACCOMACK	COMMONWEALTH CHESAPEAKE POWER STATION							3415 WHITE OAK WAY				NAICS Code	221112
NAPHTHALENE	N	5	48	53	0	0	53	0	0	0	0	0	0
Total for COMMONWEALTH CHESAPEAKE POWE		5	48	53	0	0	53	0	0	0	0	0	0
ACCOMACK	PERDUE FARMS ACCOMAC PROCESSING PLANT							22520 LANKFORD HWY				NAICS Code	311615
AMMONIA	N	4,473	0	4,473	0	45	4,518	0	0	885,447	885,447	0	0
HYDROGEN SULFIDE	N	21,791	0	21,791	0	0	21,791	0	0	149,802	149,802	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	210,639	210,639	0	0	3,036,106	3,036,106	0	0
PERACETIC ACID	N	0	0	0	0	171	171	0	0	341,437	341,437	0	0
Total for PERDUE FARMS ACCOMAC PROCESSIN		26,264	0	26,264	0	210,854	237,119	0	0	4,412,792	4,412,792	0	0
ACCOMACK	TYSON FARMS INC-TEMPERANCEVILLE							11224 LANKFORD HWY				NAICS Code	311615
AMMONIA	N	9,200	120	9,320	0	220	9,540	0	0	49,000	49,000	0	1,600
CHLORINE DIOXIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	66,000	66,000	0	0	3,200,000	3,200,000	0	1,900
PERACETIC ACID	N	1,700	0	1,700	0	0	1,700	0	0	290,000	290,000	0	0
Total for TYSON FARMS INC-TEMPERANCEVILLE		10,900	120	11,020	0	66,220	77,240	0	0	3,539,000	3,539,000	0	3,500
Total for Above County : (9 reports)		37,169	168	37,337	0	277,074	314,411	0	0	7,951,792	7,951,792	0	3,500

* A "Y" in the FORM A column means a simplified Form A was submitted. An "N" means the full Form R was submitted. Facilities may report using the Form A for a non-PBT chemical if the total annual reportable amount for that chemical does not exceed 500 pounds and the amount manufactured, processed, or otherwise used for that chemical does not exceed 1 million pounds. When filing a Form A, no amounts are reported but by default the appendix lists them as zero.

** TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

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*** BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDs THE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ALBEMARLE		INTERNATIONAL COLD STORAGE						5678 HEARDS MOUNTAIN RD				NAICS Code	333415
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for INTERNATIONAL COLD STORAGE		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
ALLEGHANY		QUARLES PETROLEUM, INC. COVINGTON BULK PLANT						9314 WINTERBERRY AVE				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUARLES PETROLEUM, INC. COVINGTO		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (6 reports)		0	0	0	0	0	0	0	0	0	0	0	0
AMELIA		AMELIA LUMBER CO INC						8680 CROWDER ST				NAICS Code	321114
ARSENIC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM COMPOUNDS (EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for AMELIA LUMBER CO INC		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 reports)		0	0	0	0	0	0	0	0	0	0	0	0

* A "Y" in the FORM A column means a simplified Form A was submitted. An "N" means the full Form R was submitted. Facilities may report using the Form A for a non-PBTchemical if the total annual reportable amount for that chemical does not exceed 500 pounds and the amount manufactured, processed, or otherwise used for that chemical does not exceed 1 million pounds. When filing a Form A , no amounts are reported but by default the appendix lists them as zero.

** TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

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*** BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDs THE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
AMHERST	COOPER STEEL							275 FRANCIS AVE				NAICS Code	332312
CHROMIUM	N	0	0	0	0	1	1	0	0	0	0	0	0
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	N	134	4	138	0	14	152	0	0	0	0	0	804
NICKEL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for COOPER STEEL		135	4	139	0	15	153	0	0	0	0	0	804
AMHERST	GREIF PACKAGING LLC							861 FIBRE PLANT RD				NAICS Code	322110
ACETALDEHYDE	N	3,088	43,176	46,264	0	0	46,264	47,070	0	16,659	63,729	0	0
METHANOL	N	6,891	296,288	303,179	0	0	303,179	51,532	0	91,844	143,376	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	6,342	6,342	0	0	245,874	245,874	0	0
Total for GREIF PACKAGING LLC		9,979	339,464	349,443	0	6,342	355,785	98,602	0	354,377	452,979	0	0
Total for Above County : (7 reports)		10,114	339,468	349,582	0	6,357	355,938	98,602	0	354,377	452,979	0	804
ARLINGTON	ALLIED AVIATION FUELING CO INC							RONALD REAGAN NATIONAL AIRPORT				NAICS Code	424710
BENZENE	N	0	123	123	0	0	123	0	0	0	0	0	0
CYCLOHEXANE	N	0	123	123	0	0	123	0	0	0	0	0	0
ETHYLBENZENE	N	6	129	135	0	0	135	0	0	0	0	0	114
METHYL TERT-BUTYL ETHER	N	0	246	246	0	0	246	0	0	0	0	0	0
NAPHTHALENE	N	11	157	168	0	0	168	0	0	0	0	0	683
N-HEXANE	N	0	123	123	0	0	123	0	0	0	0	0	0
TOLUENE	N	0	615	615	0	0	615	0	0	0	0	0	0

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2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
XYLENE (MIXED ISOMERS)	N	0	492	492	0	0	492	0	0	0	0	0	0
Total for ALLIED AVIATION FUELING CO INC		18	2,007	2,025	0	0	2,025	0	0	0	0	0	797
ARLINGTON		PENTAGON RESERVATION						2 N ROTARY RD				NAICS Code	928110
1,2,4-TRIMETHYLBENZENE	N	0	64	64	0	0	64	0	0	0	0	0	0
BIPHENYL	N	0	64	64	0	0	64	0	0	0	0	0	0
CUMENE	N	0	32	32	0	0	32	0	0	0	0	0	0
ETHYLBENZENE	N	0	32	32	0	0	32	0	0	0	0	0	0
NAPHTHALENE	N	0	65	65	0	0	65	0	0	0	0	0	0
Total for PENTAGON RESERVATION		0	257	257	0	0	257	0	0	0	0	0	0
ARLINGTON		VIRGINIA CONCRETE SHIRLINGTON PLANT						2651 SHIRLINGTON RD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	385	385	0	0	0	0	0	0
Total for VIRGINIA CONCRETE SHIRLINGTON PLA		0	0	0	0	385	385	0	0	0	0	0	0
Total for Above County : (14 reports)		18	2,264	2,282	0	385	2,667	0	0	0	0	0	797
AUGUSTA		ACCUTEC BLADES, INC.						57 RAZOR BLADE LN				NAICS Code	332215
AMMONIA	N	502	34	536	0	0	536	0	0	0	0	0	0
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	26,588
Total for ACCUTEC BLADES, INC.		502	34	536	0	0	536	0	0	0	0	0	26,588
AUGUSTA		BALL ADVANCED ALUMINUM TECHNOLOGIES CORP						56 DUNSMORE RD				NAICS Code	331524
ALUMINUM (FUME OR DUST)	N	0	15,000	15,000	0	0	15,000	0	0	0	0	0	43,260
Total for BALL ADVANCED ALUMINUM TECHNOLO		0	15,000	15,000	0	0	15,000	0	0	0	0	0	43,260

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air	Stack Air	Total Air	Land	Water	Total On-Site Releases	Energy Recovery	Recycling	Treatment	Total On-Site Management	POTW	Total Other Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
AUGUSTA CERRO FABRICATED PRODUCTS LLC								300 TRIANGLE DR				NAICS Code	332112
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	299,542
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	3,000	2,700
NITRIC ACID	N	0	0	0	0	0	0	0	0	39,478	39,478	0	0
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	8	269,623
Total for CERRO FABRICATED PRODUCTS LLC		0	0	0	0	0	0	0	0	39,478	39,478	3,008	571,865
AUGUSTA DEGESCH AMERICA INC								153 TRIANGLE DR				NAICS Code	325320
ALUMINUM PHOSPHIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	54	54	0	0	54	0	0	0	0	0	0
PHOSPHINE	N	0	57	57	0	0	57	0	0	0	0	0	0
Total for DEGESCH AMERICA INC		0	111	111	0	0	111	0	0	0	0	0	0
AUGUSTA GROTTOES PLASTICS PLANT								149 GRAND CAVERNS DR				NAICS Code	326113
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GROTTOES PLASTICS PLANT		0	0	0	0	0	0	0	0	0	0	0	0
AUGUSTA MASTIC HOME EXTERIORS								185 JOHNSON DR				NAICS Code	326199
ANTIMONY COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM COMPOUNDS (EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MASTIC HOME EXTERIORS		0	0	0	0	0	0	0	0	0	0	0	0
AUGUSTA NIBCO OF VIRGINIA INC.								131 JOHNSON DRIVE				NAICS Code	332112

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	40,150
COPPER	N	8,514	5,865	14,379	0	2	14,381	0	0	0	0	15	355,098
Total for NIBCO OF VIRGINIA INC.		8,514	5,865	14,379	0	2	14,381	0	0	0	0	15	395,248
AUGUSTA		QUARLES PETROLEUM, INC. VERONA BULK PLANT						229 LEE HWY - 229 LEE HIGHWAY				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUARLES PETROLEUM, INC. VERONA B		0	0	0	0	0	0	0	0	0	0	0	0
AUGUSTA		REXNORD INDUSTRIES LLC						150 JOHNSON DR				NAICS Code	333612
AMMONIA	N	0	4,062	4,062	0	0	4,062	0	0	0	0	0	0
Total for REXNORD INDUSTRIES LLC		0	4,062	4,062	0	0	4,062	0	0	0	0	0	0
AUGUSTA		SHAMROCK FOODS DAIRY DIV						318 MILL PL PKWY				NAICS Code	311511
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	71,249
NITRIC ACID	N	5	0	5	0	0	5	0	0	0	0	8	8
Total for SHAMROCK FOODS DAIRY DIV		5	0	5	0	0	5	0	0	0	0	8	71,257
AUGUSTA		SUNLITE PLASTICS INC.						846 KEEZLETOWN RD				NAICS Code	326199
DI(2-ETHYLHEXYL) PHTHALATE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for SUNLITE PLASTICS INC.		0	0	0	0	0	0	0	0	0	0	0	0
AUGUSTA		THE LYCRA COMPANY LLC						400 DU PONT BLVD				NAICS Code	325220
DIISOCYANATES	N	18	0	18	0	0	18	0	0	0	0	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	43,000	43,000	0	0	44,000	44,000	0	0
Total for THE LYCRA COMPANY LLC		18	0	18	0	43,000	43,018	0	0	44,000	44,000	0	0
Total for Above County : (28 reports)		9,039	25,072	34,111	0	43,002	77,113	0	0	83,478	83,478	3,031	1,108,218
BEDFORD		CUSTOM TRUCK ONE SOURCE						12660 E LYNCHBURG SALEM TPKE				NAICS Code	333120
CHROMIUM	N	2	61	63	0	0	63	0	0	0	0	0	17,778
NICKEL	N	1	55	56	0	0	56	0	0	0	0	0	15,964
ZINC (FUME OR DUST)	N	0	54	54	0	0	54	0	0	0	0	0	15,773
Total for CUSTOM TRUCK ONE SOURCE		3	170	173	0	0	173	0	0	0	0	0	49,515
BEDFORD		GEORGIA-PACIFIC BIG ISLAND MILL						9363 LEE-JACKSON HWY				NAICS Code	322121
ACETALDEHYDE	N	1,239	52,880	54,119	6	593	54,719	47,138	0	7,332	54,470	0	0
AMMONIA	N	500	8,220	8,720	0	1,733	10,453	0	0	0	0	0	0
FORMIC ACID	N	0	0	0	0	1	1	0	0	0	0	0	0
HYDROGEN SULFIDE	N	14,428	0	14,428	11	3	14,442	0	0	168,807	168,807	0	0
MANGANESE COMPOUNDS	N	10	45	55	51,325	4,235	55,615	0	0	0	0	0	0
METHANOL	N	4,127	296,816	300,943	322	1,587	302,852	136,176	0	509,538	645,714	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	193	52,397	52,590	0	0	0	0	0	0
Total for GEORGIA-PACIFIC BIG ISLAND MILL		20,304	357,961	378,265	51,858	60,549	490,672	183,314	0	685,677	868,990	0	0

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
BEDFORD	SUNBELT FOREST PRODUCTS, INC							1220 HENDRICKS STORE RD				NAICS Code	321114
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for SUNBELT FOREST PRODUCTS, INC		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (11 reports)		20,307	358,131	378,438	51,858	60,549	490,845	183,314	0	685,677	868,990	0	49,515
BLAND	HITACHI ENERGY USA INC.							171 INDUSTRY DRIVE				NAICS Code	335311
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	302,787
Total for HITACHI ENERGY USA INC.		0	0	0	0	0	0	0	0	0	0	0	302,787
BLAND	HITACHI ENERGY USA, INC.							171 INDUSTRY DRIVE				NAICS Code	335311
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	16,421
Total for HITACHI ENERGY USA, INC.		0	0	0	0	0	0	0	0	0	0	0	16,421
BLAND	PASCOR ATLANTIC CORP							254 INDUSTRY DR				NAICS Code	335313
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	17,250
Total for PASCOR ATLANTIC CORP		0	0	0	0	0	0	0	0	0	0	0	17,250
Total for Above County : (3 reports)		0	0	0	0	0	0	0	0	0	0	0	336,458
BOTETOURT	ALTEC INDUSTRIES, INC.							325 SOUTH CENTER DRIVE				NAICS Code	336211
MANGANESE	N	2	0	2	0	0	2	0	0	0	0	0	53,400
Total for ALTEC INDUSTRIES, INC.		2	0	2	0	0	2	0	0	0	0	0	53,400
BOTETOURT	DYNAX AMERICA CORP							568 E PARK DR				NAICS Code	336350
HYDROCHLORIC ACID (ACID AERO	N	0	4,547	4,547	0	0	4,547	0	0	89,154	89,154	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
METHANOL	N	31,325	8,636	39,961	0	0	39,961	0	0	839,346	839,346	0	17,473
METHYL ISOBUTYL KETONE	N	596	174	770	0	0	770	0	0	15,349	15,349	0	341
PHENOL	N	4,245	984	5,229	0	0	5,229	0	0	110,735	110,735	7	2,350
Total for DYNAX AMERICA CORP		36,166	14,341	50,507	0	0	50,507	0	0	1,054,584	1,054,584	7	20,164
BOTETOURT GENERAL SHALE BRICK INC PLANT 35 & 36								2353 WEBSTER RD				NAICS Code	327120
HYDROGEN FLUORIDE	N	0	840	840	0	0	840	0	0	150,885	150,885	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GENERAL SHALE BRICK INC PLANT 35 &		0	840	840	0	0	840	0	0	150,885	150,885	0	0
BOTETOURT MAAG GALA, INC.								181 PAULEY ST				NAICS Code	333249
CHROMIUM	N	5	0	6	0	0	6	0	0	0	0	0	45,415
MANGANESE	N	4	0	4	0	0	4	0	0	0	0	0	34,735
NICKEL	N	8	0	8	0	0	8	0	0	0	0	0	88,801
Total for MAAG GALA, INC.		17	1	18	0	0	18	0	0	0	0	0	168,951
BOTETOURT METALSA ROANOKE INC.								184 VISTA DR				NAICS Code	336390
MANGANESE	N	0	11	11	0	0	11	0	0	0	0	0	25,357
NICKEL	N	0	1	1	0	0	1	0	0	0	0	0	27,887
Total for METALSA ROANOKE INC.		0	12	12	0	0	12	0	0	0	0	0	53,244
BOTETOURT ROANOKE CEMENT CO LLC								6071 CATAWBA RD				NAICS Code	327310
CHROMIUM COMPOUNDS (EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
HYDROCHLORIC ACID (ACID AERO	N	0	11,272	11,272	0	0	11,272	0	0	0	0	0	0

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
MANGANESE COMPOUNDS	N	388	136	524	134	20	678	0	0	0	0	0	0
SULFURIC ACID (ACID AEROSOLS I	N	0	35,476	35,476	0	0	35,476	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for ROANOKE CEMENT CO LLC		388	46,884	47,272	134	20	47,426	0	0	0	0	0	0
BOTETOURT	TREAD CORP							176 EASTPARK DR				NAICS Code	333924
ALUMINUM (FUME OR DUST)	N	0	0	0	0	0	0	0	0	0	0	0	11,560
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	20,602
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	2,956
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	11,374
Total for TREAD CORP		0	0	0	0	0	0	0	0	0	0	0	46,492
BOTETOURT	VIRGINIA TRANSFORMER CORP							201 TRANSFORMER WAY				NAICS Code	335311
XYLENE (MIXED ISOMERS)	N	5,382	2,946	8,328	0	0	8,328	0	1,280	0	1,280	0	0
Total for VIRGINIA TRANSFORMER CORP		5,382	2,946	8,328	0	0	8,328	0	1,280	0	1,280	0	0
Total for Above County : (22 reports)		41,955	65,023	106,978	134	20	107,132	0	1,280	1,205,469	1,206,749	7	342,250
BRISTOL (CITY)	STRONGWELL CORP BRISTOL							400 COMMONWEALTH AVE				NAICS Code	326199
ANTIMONY	N	0	183	183	0	0	183	0	0	0	0	0	0
STYRENE	N	30,356	0	30,356	0	0	30,356	0	0	120	120	0	4,418
Total for STRONGWELL CORP BRISTOL		30,356	183	30,539	0	0	30,539	0	0	120	120	0	4,418
Total for Above County : (2 reports)		30,356	183	30,539	0	0	30,539	0	0	120	120	0	4,418

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
BRUNSWICK		GLEN-GERY CORPORATION - LAWRENCEVILLE PLANT						16024 GOVERNOR HARRISON PKWY				NAICS Code	327331
HYDROGEN FLUORIDE	N	0	497	497	0	0	497	0	0	57,323	57,323	0	0
MANGANESE	N	0	17	17	0	0	17	0	0	0	0	0	0
Total for GLEN-GERY CORPORATION - LAWRENC		0	514	514	0	0	514	0	0	57,323	57,323	0	0
Total for Above County : (2 reports)		0	514	514	0	0	514	0	0	57,323	57,323	0	0
BUCHANAN		JEWELL COKE CO LP						1034 DISMAL RIVER RD				NAICS Code	324199
HYDROCHLORIC ACID (ACID AERO	N	0	920,916	920,916	0	0	920,916	0	0	0	0	0	0
HYDROGEN FLUORIDE	N	0	30,311	30,311	0	0	30,311	0	0	0	0	0	0
SULFURIC ACID (ACID AEROSOLS I	N	0	398,243	398,243	0	0	398,243	0	0	0	0	0	0
Total for JEWELL COKE CO LP		0	1,349,470	1,349,470	0	0	1,349,470	0	0	0	0	0	0
Total for Above County : (3 reports)		0	1,349,470	1,349,470	0	0	1,349,470	0	0	0	0	0	0
BUCKINGHAM		BEAR GARDEN GENERATING STATION						2608 C.G. WOODSON ROAD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for BEAR GARDEN GENERATING STATION		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 reports)		0	0	0	0	0	0	0	0	0	0	0	0
BUENA VISTA (CITY)		EVERBRITE LLC						627 E 30TH ST				NAICS Code	339950
COPPER	N	0	4	4	0	0	4	0	0	0	0	0	11,233

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
MANGANESE	N	0	1	1	0	0	1	0	0	0	0	0	3,109
Total for EVERBRITE LLC		0	4	4	0	0	4	0	0	0	0	0	14,342
Total for Above County : (2 reports)		0	4	4	0	0	4	0	0	0	0	0	14,342
CAMPBELL		BANKER STEEL COMPANY, LLC						351 RANGOON ROAD				NAICS Code	332312
CHROMIUM	N	1	0	1	0	0	1	0	0	0	0	0	2,917
MANGANESE	N	112	0	112	0	0	112	0	0	0	0	0	26,495
NICKEL	N	1	0	1	0	0	1	0	0	0	0	0	28,888
Total for BANKER STEEL COMPANY, LLC		114	0	114	0	0	114	0	0	0	0	0	58,300
CAMPBELL		BWXT NUCLEAR OPERATIONS GROUP, INC.						1570 MOUNT ATHOS RD				NAICS Code	332410
CHROMIUM COMPOUNDS (EXCEPT	N	13	76	89	2	8	98	0	0	0	0	0	130
COPPER COMPOUNDS	N	0	17	17	139	558	714	0	0	0	0	0	103,246
HYDROGEN FLUORIDE	N	0	149	149	0	0	149	0	1,670	100,993	102,663	0	1,758
NICKEL COMPOUNDS	N	3	155	158	14	55	227	0	0	0	0	0	54
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	446,631	446,631	0	0	1,012,195	1,012,195	0	201,476
NITRIC ACID	N	17	2,815	2,832	0	0	2,832	0	14,913	1,028,520	1,043,433	0	596,847
Total for BWXT NUCLEAR OPERATIONS GROUP, I		32	3,212	3,245	154	447,251	450,650	0	16,583	2,141,708	2,158,291	0	903,510
CAMPBELL		GEORGIA-PACIFIC WOOD PRODUCTS LLC - BROOKNEAL OSB						11795 BROOKNEAL HIGHWAY				NAICS Code	321219
ACETALDEHYDE	N	10	3,800	3,810	0	0	3,810	0	0	33,000	33,000	0	0
FORMALDEHYDE	N	100	13,000	13,100	22	0	13,122	0	0	80,000	80,000	0	0
MANGANESE COMPOUNDS	N	0	260	260	0	0	260	0	0	0	0	0	4,500

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
METHANOL	N	0	65,000	65,000	0	0	65,000	0	0	210,000	210,000	0	0
PHENOL	N	10	2,800	2,810	0	0	2,810	0	0	14,000	14,000	0	0
Total for GEORGIA-PACIFIC WOOD PRODUCTS LL		120	84,860	84,980	22	0	85,002	0	0	337,000	337,000	0	4,500
CAMPBELL SCHRADER-BRIDGEPORT INTERNATIONAL								205 FRAZIER RD				NAICS Code	336390
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	184,004
Total for SCHRADER-BRIDGEPORT INTERNATION		0	0	0	0	0	0	0	0	0	0	0	184,004
Total for Above County : (15 reports)		266	88,072	88,339	176	447,251	535,766	0	16,583	2,478,708	2,495,291	0	1,150,315
CAROLINE HOOVER TREATED WOOD PRODUCTS, INC								18315 HOUSE DR				NAICS Code	321999
ARSENIC COMPOUNDS	N	0	0	0	0	15	15	0	0	0	0	0	0
CHROMIUM COMPOUNDS (EXCEPT	N	0	0	0	0	3	3	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	0	0	0	1	1	0	0	0	0	0	0
FORMALDEHYDE	N	0	651	651	0	0	651	0	0	0	0	0	0
Total for HOOVER TREATED WOOD PRODUCTS, I		0	651	651	0	19	670	0	0	0	0	0	0
CAROLINE JCI JONES CHEMICALS INC.								16248 INDUSTRIAL DR				NAICS Code	424690
CHLORINE	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for JCI JONES CHEMICALS INC.		0	0	0	0	0	0	0	0	0	0	0	0
CAROLINE LADYSMITH COMBUSTION TURBINE STATION								8063 CEDON RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for LADYSMITH COMBUSTION TURBINE STA		0	0	0	0	0	0	0	0	0	0	0	0
CAROLINE US ARMY FORT AP HILL RANGES (PART)								19952 NORTH RANGE RD				NAICS Code	928110
COPPER	N	0	0	0	34,046	1,705	35,751	0	0	0	0	0	0
Total for US ARMY FORT AP HILL RANGES (PART)		0	0	0	34,046	1,705	35,751	0	0	0	0	0	0
Total for Above County : (9 reports)		0	651	651	34,046	1,724	36,421	0	0	0	0	0	0
CARROLL VAUGHAN-BASSETT FURNITURE CO. GALAX								300 E GRAYSON ST				NAICS Code	337122
ETHYLBENZENE	N	1,527	8,659	10,186	0	0	10,186	0	0	0	0	0	181
N-BUTYL ALCOHOL	N	3,483	19,738	23,221	0	0	23,221	0	0	0	0	0	407
XYLENE (MIXED ISOMERS)	N	8,620	48,854	57,474	0	0	57,474	0	0	0	0	0	1,023
Total for VAUGHAN-BASSETT FURNITURE CO. GA		13,630	77,251	90,881	0	0	90,881	0	0	0	0	0	1,611
Total for Above County : (3 reports)		13,630	77,251	90,881	0	0	90,881	0	0	0	0	0	1,611
CHESAPEAKE (CITY) AMERICAN GFM CORP								1200 CAVALIER BLVD				NAICS Code	333517
AMMONIA	N	0	3,066	3,066	0	0	3,066	0	0	0	0	0	0
Total for AMERICAN GFM CORP		0	3,066	3,066	0	0	3,066	0	0	0	0	0	0
CHESAPEAKE (CITY) FLOWSERVE US INC								3900 COOK BLVD				NAICS Code	333914
CHROMIUM	Y	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for FLOWSERVE US INC		0	0	0	0	0	0	0	0	0	0	0	0
CHESAPEAKE (CITY) MITSUBISHI CHEMICAL AMERICA ALPOLIC DIVISION								401 VOLVO PKWY				NAICS Code	332812

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	37,293
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	11,728
Total for MITSUBISHI CHEMICAL AMERICA ALPOL		0	0	0	0	0	0	0	0	0	0	0	49,021
CHESAPEAKE (CITY)		PERDUE AGRIBUSINESS LLC-CHESAPEAKE VA						501A BARNES RD				NAICS Code	311224
N-HEXANE	N	247,255	142,785	390,040	0	0	390,040	0	0	0	0	0	39
Total for PERDUE AGRIBUSINESS LLC-CHESAPE		247,255	142,785	390,040	0	0	390,040	0	0	0	0	0	39
Total for Above County : (6 reports)		247,255	145,851	393,106	0	0	393,106	0	0	0	0	0	49,060
CHESTERFIELD		ALERIS ROLLED PRODUCTS INC						1701 REYMET RD				NAICS Code	331315
ALUMINUM (FUME OR DUST)	N	2,922	5,786	8,708	0	0	8,708	0	0	0	0	0	571,642
Total for ALERIS ROLLED PRODUCTS INC		2,922	5,786	8,708	0	0	8,708	0	0	0	0	0	571,642
CHESTERFIELD		BELLWOOD PRINTING PLANT						2001 REYMET RD				NAICS Code	323111
AMMONIA	N	7,742	7,742	15,484	0	0	15,484	0	0	0	0	0	0
N-METHYL-2-PYRROLIDONE	N	3,336	3,336	6,672	0	0	6,672	0	0	0	0	0	0
Total for BELLWOOD PRINTING PLANT		11,078	11,078	22,156	0	0	22,156	0	0	0	0	0	0
CHESTERFIELD		CHESTERFIELD POWER STATION						500 COXENDALE RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	40	40	0	3,000	3,040	0	0	0	0	0	0
BARIUM COMPOUNDS (EXCEPT FO	N	0	63	63	63,000	7	63,070	0	0	0	0	0	0
HYDROCHLORIC ACID (ACID AERO	N	0	100,000	100,000	0	0	100,000	0	0	0	0	0	0
HYDROGEN FLUORIDE	N	0	13,000	13,000	0	0	13,000	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
SULFURIC ACID (ACID AEROSOLS I	N	0	31,000	31,000	0	0	31,000	0	0	0	0	0	0
VANADIUM COMPOUNDS	N	0	33	33	24,000	0	24,033	0	0	0	0	0	0
Total for CHESTERFIELD POWER STATION		0	144,136	144,136	87,000	3,007	234,143	0	0	0	0	0	0
CHESTERFIELD		CHURCH & DWIGHT CO INC						1851 TOUCHSTONE RD				NAICS Code	326299
AMMONIA	N	9,554	176,707	186,261	0	0	186,261	0	0	0	0	0	289
NITRATE COMPOUNDS (WATER DI	N	0	75	75	0	0	75	0	0	0	0	30,203	28,524
Total for CHURCH & DWIGHT CO INC		9,554	176,782	186,336	0	0	186,336	0	0	0	0	30,203	28,813
CHESTERFIELD		ETERNAL TECHNOLOGY CORP						1800 TOUCHSTONE RD				NAICS Code	325992
TOLUENE	N	0	0	0	0	0	0	0	0	0	0	0	10
Total for ETERNAL TECHNOLOGY CORP		0	0	0	0	0	0	0	0	0	0	0	10
CHESTERFIELD		FUJIFILM WAKO CHEMICALS USA CORP						1600 BELLWOOD RD				NAICS Code	325199
HYDROCHLORIC ACID (ACID AERO	N	250	1,500	1,750	0	0	1,750	0	0	18,000	18,000	0	0
METHANOL	N	2,000	11,300	13,300	0	0	13,300	0	380,000	304,100	684,100	15,200	86,200
TOLUENE	N	2,000	3,200	5,200	0	0	5,200	0	150,000	21,000	171,000	750	122,000
Total for FUJIFILM WAKO CHEMICALS USA CORP		4,250	16,000	20,250	0	0	20,250	0	530,000	343,100	873,100	15,950	208,200
CHESTERFIELD		FUJIFILM WAKO CHEMICALS USA CORPORATION						1600 BELLWOOD RD				NAICS Code	325199
AMMONIA	N	250	250	500	0	0	500	0	0	73,400	73,400	0	4,380
Total for FUJIFILM WAKO CHEMICALS USA CORP		250	250	500	0	0	500	0	0	73,400	73,400	0	4,380

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2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
CHESTERFIELD	HONEYWELL INTERNATIONAL COLONIAL HEIGHTS PLANT							15801 WOODS EDGE RD				NAICS Code	325220
FREON 113 (CFC-113)	N	298,804	59,960	358,764	0	0	358,764	0	296,494,972	0	296,494,972	0	3,419
Total for HONEYWELL INTERNATIONAL COLONIA		298,804	59,960	358,764	0	0	358,764	0	296,494,972	0	296,494,972	0	3,419
CHESTERFIELD	INDUSTRIAL CHEMICALS INC							2540 BELLWOOD RD				NAICS Code	424690
ETHYLENE GLYCOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for INDUSTRIAL CHEMICALS INC		0	0	0	0	0	0	0	0	0	0	0	0
CHESTERFIELD	PHILIP MORRIS USA PARK 500 SITE							4100 BERMUDA HUNDRED RD				NAICS Code	312230
AMMONIA	N	2,492	248,649	251,141	0	190	251,331	0	0	2,219	2,219	0	208
NICOTINE AND SALTS	N	140	13,962	14,102	0	22	14,124	0	0	110,699	110,699	0	86,781
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	5,332	5,332	0	0	120,867	120,867	0	0
Total for PHILIP MORRIS USA PARK 500 SITE		2,632	262,611	265,243	0	5,544	270,787	0	0	233,785	233,785	0	86,989
CHESTERFIELD	PLANT 782 - 12020 OLD STAGE ROAD							12020 OLD STAGE ROAD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for PLANT 782 - 12020 OLD STAGE ROAD		0	0	0	0	0	0	0	0	0	0	0	0
CHESTERFIELD	SAFETY-KLEEN SYSTEMS CHESTER (CVA)							1200 W 100 RD				NAICS Code	562112
ETHYLENE GLYCOL	N	0	2	2	0	0	2	0	0	0	0	0	68,651
Total for SAFETY-KLEEN SYSTEMS CHESTER (CV		0	2	2	0	0	2	0	0	0	0	0	68,651
CHESTERFIELD	SPRUANCE PLANT							5401 JEFFERSON DAVIS HWY				NAICS Code	325220
1,3-PHENYLENEDIAMINE	N	0	0	0	0	0	0	0	0	0	0	0	7,348

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
AMMONIA	N	22,643	1,318	23,961	0	10,047	34,008	0	0	3,695	3,695	0	10,117
CHLOROFORM	N	763	5,337	6,100	0	37	6,137	0	0	272	272	0	0
DIMETHYLAMINE	N	16,212	0	16,212	0	26,042	42,254	0	0	89,849	89,849	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	41,409	41,409	0	0	0	0	0	0
N-METHYL-2-PYRROLIDONE	N	0	38,140	38,140	0	5,208	43,348	0	0	44,262	44,262	0	986,528
P-PHENYLENEDIAMINE	N	0	0	0	0	0	0	0	0	0	0	0	14,550
TOLUENE	N	38,294	41,486	79,780	0	52	79,832	0	0	63	63	0	8,404
TRICHLOROFLUOROMETHANE (CF	N	202,838	4,962	207,800	0	52	207,852	0	0	731	731	0	0
Total for SPRUANCE PLANT		280,750	91,243	371,993	0	82,847	454,840	0	0	138,872	138,872	0	1,026,947
CHESTERFIELD		SUPER RADIATOR COILS						451 SOUTHLAKE BLVD				NAICS Code	333414
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	15,512
NICKEL	N	0	0	0	0	0	0	0	0	0	0	1	10,270
Total for SUPER RADIATOR COILS		0	0	0	0	0	0	0	0	0	0	1	25,782
CHESTERFIELD		TRIDENT AMERICAS						833 LIBERTY WAY				NAICS Code	332813
COPPER COMPOUNDS	N	0	750	750	0	0	750	0	0	0	0	0	0
Total for TRIDENT AMERICAS		0	750	750	0	0	750	0	0	0	0	0	0
CHESTERFIELD		UNIVAR USA INC CHESTER FACILIT Y						1001 OLD BERMUDA HUNDRED RD				NAICS Code	424690
AMMONIA	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for UNIVAR USA INC CHESTER FACILIT Y		0	0	0	0	0	0	0	0	0	0	0	0
CHESTERFIELD		US DEFENSE LOGISTICS AGENCY DEFENSE SUPPLY CENTER RICHM						6090 STRATHMORE RD				NAICS Code	425120

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
BROMOCHLORODIFLUOROMETHA	N	292	0	292	0	0	292	0	0	0	0	0	0
BROMOTRIFLUOROMETHANE (HA	N	1,017	0	1,017	0	0	1,017	0	0	0	0	0	0
CHLORODIFLUOROMETHANE (HCF	N	27	0	27	0	0	27	0	0	0	0	0	0
DICHLORODIFLUOROMETHANE (C	N	11	0	11	0	0	11	0	0	0	0	0	0
DICHLOROTETRAFLUOROETHANE	N	191	0	191	0	0	191	0	0	0	0	0	0
TRICHLOROFLUOROMETHANE (CF	N	17	0	17	0	0	17	0	0	0	0	0	0
Total for US DEFENSE LOGISTICS AGENCY DEFE		1,555	0	1,555	0	0	1,555	0	0	0	0	0	0
CHESTERFIELD		VEOLIA JAMES RIVER PLANT						1201 BELLWOOD RD				NAICS Code	325180
SULFURIC ACID (ACID AEROSOLS I	N	2,921	1,578	4,499	0	0	4,499	0	0	0	0	0	0
Total for VEOLIA JAMES RIVER PLANT		2,921	1,578	4,499	0	0	4,499	0	0	0	0	0	0
Total for Above County : (47 reports)		614,716	770,176	1,384,893	87,000	91,398	1,563,291	0	297,024,972	789,157	297,814,129	46,154	2,024,833
CLARKE		GRIFFITH ENERGY SERVICES INC-BERRYVILLE						618 E MAIN ST				NAICS Code	454310
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GRIFFITH ENERGY SERVICES INC-BERR		0	0	0	0	0	0	0	0	0	0	0	0
CLARKE		TRELLEBORG MARINE SYSTEMS NORTH AMERICA INC.						532 JACK ENDERS BLVD				NAICS Code	326199
TOLUENE-2,4-DIISOCYANATE	N	0	5	5	0	0	5	0	0	0	0	0	0
Total for TRELLEBORG MARINE SYSTEMS NORTH		0	5	5	0	0	5	0	0	0	0	0	0

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Above County : (4 reports)		0	5	5	0	0	5	0	0	0	0	0	0
COLONIAL HEIGHTS (CITY) SUN CHEMICAL CORP								16000 CONTINENTAL BLVD				NAICS Code	325910
COPPER	N	6	5	11	0	0	11	0	0	0	0	0	275
Total for SUN CHEMICAL CORP		6	5	11	0	0	11	0	0	0	0	0	275
Total for Above County : (1 record)		6	5	11	0	0	11	0	0	0	0	0	275
COVINGTON (CITY) INGEVITY VIRGINIA CORPORATION								958 E RIVERSIDE ST				NAICS Code	325998
ACETALDEHYDE	N	2	276	278	0	0	278	0	0	36,520	36,520	0	0
FORMALDEHYDE	N	18	1,111	1,129	0	0	1,129	0	0	113,490	113,490	0	0
FORMIC ACID	N	0	9,639	9,639	0	0	9,639	0	0	731,799	731,799	0	0
METHANOL	N	0	34,600	34,600	0	0	34,600	0	0	2,515,825	2,515,825	0	0
Total for INGEVITY VIRGINIA CORPORATION		20	45,626	45,646	0	0	45,646	0	0	3,397,634	3,397,634	0	0
COVINGTON (CITY) WESTROCK VIRGINIA CORPORATION (ENTIRE)								104 E. RIVERSIDE STREET				NAICS Code	322130
ACETALDEHYDE	N	1,150	45,300	46,450	8	2,310	48,768	0	0	104,000	104,000	0	0
AMMONIA	N	455	208,000	208,455	0	906	209,361	0	0	418,000	418,000	0	0
BARIUM COMPOUNDS (EXCEPT FO	N	0	1,380	1,380	79,800	0	81,180	0	0	0	0	0	0
CATECHOL	N	0	0	0	0	17	17	0	0	445	445	0	0
CHLORINE	N	5	492	497	0	0	497	0	0	54,700	54,700	0	0
CHLORINE DIOXIDE	N	5	4,060	4,065	0	0	4,065	0	0	395,000	395,000	0	0
CRESOL (MIXED ISOMERS)	N	7	8,960	8,967	3	4	8,974	0	0	22,500	22,500	0	0

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
FORMALDEHYDE	N	18	13,700	13,718	7	740	14,465	0	0	13,600	13,600	0	0
FORMIC ACID	N	0	0	0	2	1,160	1,162	0	0	673	673	0	0
HYDROCHLORIC ACID (ACID AERO	N	0	164,000	164,000	0	0	164,000	0	0	58,400	58,400	0	0
HYDROGEN SULFIDE	N	7,800	74,300	82,100	315	409	82,824	0	0	680,000	680,000	0	0
MANGANESE COMPOUNDS	N	0	378	378	308,000	49,500	357,878	0	0	0	0	0	0
METHANOL	N	69,200	1,130,000	1,199,200	6,570	2,310	1,208,080	0	0	18,500,000	18,500,000	0	0
PHENOL	N	8	33,700	33,708	3	462	34,174	0	0	12,500	12,500	0	0
SULFURIC ACID (ACID AEROSOLS I	N	0	84,800	84,800	0	0	84,800	0	0	137,000	137,000	0	0
VANADIUM COMPOUNDS	N	0	150	150	2,510	1,360	4,020	0	0	0	0	0	0
ZINC COMPOUNDS	N	0	528	528	34,700	924	36,152	0	0	0	0	0	0
Total for WESTROCK VIRGINIA CORPORATION (E		78,649	1,769,748	1,848,397	431,919	60,101	2,340,417	0	0	20,396,818	20,396,818	0	0
Total for Above County : (21 reports)		78,669	1,815,374	1,894,043	431,919	60,101	2,386,063	0	0	23,794,452	23,794,452	0	0
CULPEPER ARDENT MILLS, LLC								1900 INDUSTRY DR				NAICS Code	311211
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for ARDENT MILLS, LLC		0	0	0	0	0	0	0	0	0	0	0	0
CULPEPER BINGHAM & TAYLOR								601 NALLE PL				NAICS Code	331511
CHROMIUM	N	0	1	1	0	0	1	0	0	0	0	0	14,702
COPPER	N	0	0	0	0	1	1	0	0	0	0	0	2,730
MANGANESE	N	0	24	24	0	0	24	0	0	0	0	0	13,038
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	19,538

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Total for BINGHAM & TAYLOR		0	25	25	0	1	26	0	0	0	0	0	50,009
CULPEPER	BRANTNER & ASSOCIATES INC DBA TE CONNECTIVITY MOG							751 OLD BRANDY RD				NAICS Code	331491
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	105,397
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	20,766
ZINC (FUME OR DUST)	N	0	0	0	0	0	0	0	0	0	0	0	23,958
Total for BRANTNER & ASSOCIATES INC DBA TE		0	0	0	0	0	0	0	0	0	0	0	150,120
CULPEPER	BRANTNER & ASSOCIATES INC, DBA TE CONNECTIVITY MOG							751 OLD BRANDY RD				NAICS Code	331491
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	41,380
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	309,869
Total for BRANTNER & ASSOCIATES INC, DBA TE		0	0	0	0	0	0	0	0	0	0	0	351,250
CULPEPER	CABINETWORKS GROUP - CULPEPER PLANT							641 MADDOX DR				NAICS Code	337110
XYLENE (MIXED ISOMERS)	N	0	17,792	17,792	0	0	17,792	0	0	0	0	0	7,782
Total for CABINETWORKS GROUP - CULPEPER P		0	17,792	17,792	0	0	17,792	0	0	0	0	0	7,782
CULPEPER	QUARLES PETROLEUM INC. CULPEPER BULK PLANT							15427 BRANDY RD				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*												
Total for QUARLES PETROLEUM INC. CULPEPER		0	0	0	0	0	0	0	0	0	0	0	0
CULPEPER VIRGINIA CONCRETE - CULPEPER								11454 QUARRY DRIVE				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	82	82	0	0	0	0	0	0
Total for VIRGINIA CONCRETE - CULPEPER		0	0	0	0	82	82	0	0	0	0	0	0
Total for Above County : (18 reports)		0	17,817	17,817	0	83	17,900	0	0	0	0	0	559,161
CUMBERLAND GEMINI-FARMVILLE								102 HAUSCHILD DR				NAICS Code	339950
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GEMINI-FARMVILLE		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
DANVILLE (CITY) AMERICAN PHOENIX INC								121 MARTHA ST				NAICS Code	325998
COBALT COMPOUNDS	N	5	5	10	0	0	10	0	0	0	0	0	0
ZINC COMPOUNDS	N	5	5	10	0	0	10	0	0	0	0	0	0
Total for AMERICAN PHOENIX INC		10	10	20	0	0	20	0	0	0	0	0	0
DANVILLE (CITY) THE GOODYEAR TIRE & RUBBER CO.								1901 GOODYEAR BLVD				NAICS Code	326211
COBALT COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	0	4,200
ZINC COMPOUNDS	N	0	258	258	0	88	346	0	0	0	0	661	462,842
Total for THE GOODYEAR TIRE & RUBBER CO.		0	260	260	0	88	348	0	0	0	0	661	467,042
Total for Above County : (4 reports)		10	270	280	0	88	368	0	0	0	0	661	467,042

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
DINWIDDIE	CHAPARRAL (VA) INC							25801 HOFHEIMER WAY				NAICS Code	331110
COPPER COMPOUNDS	N	0	0	0	0	42	42	0	0	0	0	0	57,664
MANGANESE COMPOUNDS	N	100	113	213	0	0	213	0	0	0	0	0	461,931
ZINC COMPOUNDS	N	0	0	0	0	1,910	1,910	0	0	0	0	0	4,169,489
Total for CHAPARRAL (VA) INC		100	113	213	0	1,952	2,165	0	0	0	0	0	4,689,084
Total for Above County : (3 reports)		100	113	213	0	1,952	2,165	0	0	0	0	0	4,689,084
FAIRFAX	GEORGE BUSH CENTER FOR INTELLIGENCE (CIA)							1000 COLONIAL FARM RD				NAICS Code	928110
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
CUMENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GEORGE BUSH CENTER FOR INTELLIGE		0	0	0	0	0	0	0	0	0	0	0	0
FAIRFAX	NEWINGTON CONCRETE PLANT							8413 TERMINAL RD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	85	85	0	0	0	0	0	0
Total for NEWINGTON CONCRETE PLANT		0	0	0	0	85	85	0	0	0	0	0	0
FAIRFAX	SICPA SECURINK CORP							8000 RESEARCH WAY				NAICS Code	325910
CERTAIN GLYCOL ETHERS	N	250	0	250	0	0	250	0	0	0	0	0	750
PHTHALIC ANHYDRIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE DIISOCYANATE (MIXED I	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for SICPA SECURINK CORP		250	0	250	0	0	250	0	0	0	0	0	750
FAIRFAX SUPERIOR CONCRETE MATERIALS INC. - LORTON								8420 TERMINAL RD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	506	506	0	0	0	0	0	0
Total for SUPERIOR CONCRETE MATERIALS INC.		0	0	0	0	506	506	0	0	0	0	0	0
FAIRFAX US ARMY GARRISON FORT BELVOIR								9430 JACKSON LOOP				NAICS Code	928110
ETHYLBENZENE	N	2	2	4	0	0	4	0	0	0	0	0	0
NAPHTHALENE	N	0	1	1	1	0	2	0	0	0	0	0	0
Total for US ARMY GARRISON FORT BELVOIR		2	4	6	1	0	7	0	0	0	0	0	0
FAIRFAX VIRGINIA CONCRETE EDSALL ROAD PLANT								5412 INDUSTRIAL DR				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	225	225	0	0	0	0	0	0
Total for VIRGINIA CONCRETE EDSALL ROAD PLA		0	0	0	0	225	225	0	0	0	0	0	0
Total for Above County : (13 reports)		252	4	256	1	816	1,073	0	0	0	0	0	750
FAIRFAX (CITY) CITGO FAIRFAX TERMINAL								9600 COLONIAL AVE				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	N	2	124	126	0	0	126	0	0	0	0	0	0
BENZENE	N	46	138	184	0	0	184	0	0	3,166	3,166	0	0
CUMENE	N	1	3	4	0	0	4	0	0	46	46	0	0
CYCLOHEXANE	N	8	23	31	0	0	31	0	0	563	563	0	0
ETHYLBENZENE	N	4	22	26	0	0	26	0	0	278	278	0	0
NAPHTHALENE	N	0	2	2	0	0	2	0	0	2	2	0	0
N-HEXANE	N	54	154	208	0	0	208	0	0	3,708	3,708	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
TOLUENE	N	65	256	321	0	0	321	0	0	4,453	4,453	0	0
XYLENE (MIXED ISOMERS)	N	18	210	228	0	0	228	0	0	1,211	1,211	0	0
Total for CITGO FAIRFAX TERMINAL		198	932	1,130	0	0	1,130	0	0	13,427	13,427	0	0
FAIRFAX (CITY)		MOTIVA FAIRFAX TERMINAL						3800 PICKETT RD				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	N	35	26	61	0	0	61	0	0	0	0	0	0
BENZENE	N	58	155	213	0	0	213	0	0	0	0	0	0
CUMENE	N	3	8	11	0	0	11	0	0	0	0	0	0
ETHYLBENZENE	N	117	35	152	0	0	152	0	0	0	0	0	0
NAPHTHALENE	N	4	4	8	0	0	8	0	0	0	0	0	0
N-HEXANE	N	90	256	346	0	0	346	0	0	0	0	0	0
STYRENE	N	2	4	6	0	0	6	0	0	0	0	0	0
TOLUENE	N	149	323	472	0	0	472	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	580	168	748	0	0	748	0	0	0	0	0	0
Total for MOTIVA FAIRFAX TERMINAL		1,038	979	2,017	0	0	2,017	0	0	0	0	0	0
Total for Above County : (18 reports)		1,236	1,911	3,147	0	0	3,147	0	0	13,427	13,427	0	0
FALLS CHURCH (CITY)		VIRGINIA CONCRETE FALLS CHURCH PLANT						7103 GORDON RD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	70	70	0	0	0	0	0	0
Total for VIRGINIA CONCRETE FALLS CHURCH PL		0	0	0	0	70	70	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	70	70	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
FAUQUIER	FIBERGLASS ENGINEERING CO							5019 AIRPORT RD				NAICS Code	326199
STYRENE	N	6,196	0	6,196	0	0	6,196	0	0	0	0	0	0
Total for FIBERGLASS ENGINEERING CO		6,196	0	6,196	0	0	6,196	0	0	0	0	0	0
FAUQUIER	OLD DOMINION ELECTRIC CO-OP MARSH RUN GENERATION FACIL							12109 LUCKY HILL RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLD DOMINION ELECTRIC CO-OP MARS		0	0	0	0	0	0	0	0	0	0	0	0
FAUQUIER	REMINGTON POWER STATION							12025 LUCKY HILL ROAD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for REMINGTON POWER STATION		0	0	0	0	0	0	0	0	0	0	0	0
FAUQUIER	US DOD WARRENTON TRAINING CENTER STATION B							7471 BEAR WALLOW RD				NAICS Code	928110
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for US DOD WARRENTON TRAINING CENTE		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (8 reports)		6,196	0	6,196	0	0	6,196	0	0	0	0	0	0
FRANKLIN	BLUE RIDGE SOLVENTS & COATINGS							3800 ORIGINAL HENRY RD				NAICS Code	325510
METHANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
N-BUTYL ALCOHOL	N	14	0	14	0	0	14	0	1,789	0	1,789	0	2,574
N-METHYL-2-PYRROLIDONE	N	94	0	94	0	0	94	0	180,112	0	180,112	0	74,288
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	52	0	52	0	0	52	0	50,169	0	50,169	0	22,212
Total for BLUE RIDGE SOLVENTS & COATINGS		160	0	160	0	0	160	0	232,070	0	232,070	0	99,074
FRANKLIN FLEETWOOD HOMES OF VIRGINIA INC 19-2								90 WEAVER ST				NAICS Code	321991
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for FLEETWOOD HOMES OF VIRGINIA INC 1		0	0	0	0	0	0	0	0	0	0	0	0
FRANKLIN GREAT SOUTHERN WOOD - VA, INC.								1050 N MAIN ST				NAICS Code	321114
ARSENIC COMPOUNDS	N	0	0	0	0	0	0	0	1	0	1	0	0
CHROMIUM COMPOUNDS (EXCEPT	N	0	0	0	0	0	0	0	1	0	1	0	0
COPPER	N	0	0	0	0	0	0	0	11	0	11	0	0
Total for GREAT SOUTHERN WOOD - VA, INC.		0	0	0	0	0	0	0	12	0	12	0	0
FRANKLIN TRINITY PACKAGING CORPORATION								90 INDUSTRIAL AVENUE				NAICS Code	326112
OZONE	N	0	30,198	30,198	0	0	30,198	0	0	0	0	0	0
Total for TRINITY PACKAGING CORPORATION		0	30,198	30,198	0	0	30,198	0	0	0	0	0	0
Total for Above County : (10 reports)		160	30,198	30,358	0	0	30,358	0	232,082	0	232,082	0	99,074
FREDERICK EVOLVE STONE LLC								200 LENOIR DRIVE				NAICS Code	326199
STYRENE	N	0	7,123	7,123	0	0	7,123	0	0	0	0	0	0
Total for EVOLVE STONE LLC		0	7,123	7,123	0	0	7,123	0	0	0	0	0	0

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
FREDERICK	FISHER DIAGNOSTICS, A DIVISION OF FISHER SCIENTIFIC COMPAN							8365 VALLEY PIKE				NAICS Code	325413
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for FISHER DIAGNOSTICS, A DIVISION OF FI		0	0	0	0	0	0	0	0	0	0	0	0
FREDERICK	HP HOOD LLC							160 HOOD WAY				NAICS Code	311511
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	81,585
NITRIC ACID	N	0	0	0	0	0	0	0	0	92,094	92,094	0	0
PERACETIC ACID	N	0	0	0	0	0	0	0	0	45,580	45,580	0	0
Total for HP HOOD LLC		0	0	0	0	0	0	0	0	137,674	137,674	0	81,585
FREDERICK	KINGSPAN INSULATION LLC							200 KINGSPAN WAY				NAICS Code	326140
METHANOL	N	52,659	0	52,659	0	0	52,659	0	0	0	0	0	0
Total for KINGSPAN INSULATION LLC		52,659	0	52,659	0	0	52,659	0	0	0	0	0	0
FREDERICK	QG PRINTING II CORP							160 CENTURY LN STONEWALL IND US TRIAN				NAICS Code	323111
CERTAIN GLYCOL ETHERS	N	4,117	192	4,309	0	0	4,309	0	0	9,415	9,415	0	0
Total for QG PRINTING II CORP		4,117	192	4,309	0	0	4,309	0	0	9,415	9,415	0	0
FREDERICK	QUARLES PETROLEUM INC. WINCHESTER BULK PLANT							779 SMITHFIELD AVE				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUARLES PETROLEUM INC. WINCHEST		0	0	0	0	0	0	0	0	0	0	0	0
FREDERICK		TREX - VIRGINIA MANUFACTURING OPERATIONS						3229 SHAWNEE DRIVE				NAICS Code	326199
CHROMIUM COMPOUNDS (EXCEPT	N	7	0	7	0	0	7	0	0	0	0	0	1,859
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for TREX - VIRGINIA MANUFACTURING OPE		7	0	7	0	0	7	0	0	0	0	0	1,859
FREDERICK		VALLEY PROTEINS INC-WINCHESTER FACILITY						1635 INDIAN HOLLOW RD				NAICS Code	311613
AMMONIA	N	0	655	655	526	0	1,181	0	0	28,424	28,424	0	0
CHLORINE DIOXIDE	N	0	0	0	12,683	0	12,683	0	0	0	0	0	0
Total for VALLEY PROTEINS INC-WINCHESTER F		0	655	655	13,209	0	13,864	0	0	28,424	28,424	0	0
FREDERICK		VIRGINIA CONCRETE - STEPHENS CITY						339 ESTEP ROAD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	25	25	0	25	0	25	0	0
Total for VIRGINIA CONCRETE - STEPHENS CITY		0	0	0	0	25	25	0	25	0	25	0	0
Total for Above County : (19 reports)		56,783	7,970	64,754	13,209	25	77,988	0	25	175,513	175,538	0	83,444
GILES		CELANESE ACETATE LLC - CELCO P LANT						3520 VIRGINIA AVE				NAICS Code	325220
1,3-BUTADIENE	N	250	250	500	0	0	500	29,677	0	0	29,677	0	0
ACETAMIDE	N	0	0	0	0	250	250	0	0	182,609	182,609	0	0
ACETONITRILE	N	3,079	101	3,180	0	55	3,235	24,817	0	53,315	78,132	0	5
AMMONIA	N	0	27,444	27,444	0	335	27,779	0	0	13,597	13,597	0	0

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2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
CYCLOHEXANE	N	243,842	4,723	248,565	0	0	248,565	8,700	0	0	8,700	0	5
DICHLOROMETHANE	N	10,207	0	10,207	0	0	10,207	0	0	0	0	0	70
ETHYLENE	N	2,278	706	2,984	0	0	2,984	704,018	0	0	704,018	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	62,536	62,536	0	0	0	0	0	0
Total for CELANESE ACETATE LLC - CELCO P LA		259,656	33,224	292,880	0	63,176	356,056	767,212	0	249,521	1,016,733	0	81
GILES								2093 BIG STONY CREEK RD				NAICS Code	327410
HYDROCHLORIC ACID (ACID AERO	N	0	69,970	69,970	0	0	69,970	0	0	0	0	0	0
Total for LHOIST NA OF VIRGINIA INC KIMBALLTO		0	69,970	69,970	0	0	69,970	0	0	0	0	0	0
Total for Above County : (10 reports)		259,656	103,194	362,850	0	63,176	426,026	767,212	0	249,521	1,016,733	0	81
GREENSVILLE								2230 WYATTS MILL RD				NAICS Code	311612
AMMONIA	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for BOAR'S HEAD PROVISIONS CO INC. - JA		0	0	0	0	0	0	0	0	0	0	0	0
GREENSVILLE								859 INDUSTRIAL DR				NAICS Code	321999
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CREATIVE PLAYTHINGS LTD.		0	0	0	0	0	0	0	0	0	0	0	0
GREENSVILLE								634 DAVIS ST				NAICS Code	321212
METHANOL	N	2,891	24,724	27,615	0	0	27,615	0	0	9,258	9,258	0	0
Total for GEORGIA PACIFIC WOOD PRODUCTS L		2,891	24,724	27,615	0	0	27,615	0	0	9,258	9,258	0	0

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
GREENSVILLE	STEELFAB OF VIRGINIA INC							1510 REESE ST				NAICS Code	332312
CHROMIUM	N	48	1	49	0	0	49	0	0	0	0	0	48,322
COPPER	N	65	0	65	0	0	66	0	0	0	0	0	72,123
MANGANESE	N	228	60	288	0	0	288	0	0	0	0	0	52,890
NICKEL	N	81	2	82	0	0	82	0	0	0	0	0	84,384
PROPYLENE	N	54	0	54	0	0	54	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	4,713	0	4,713	0	0	4,713	0	0	0	0	0	0
Total for STEELFAB OF VIRGINIA INC		5,187	63	5,251	0	0	5,251	0	0	0	0	0	257,720
Total for Above County : (9 reports)		8,078	24,787	32,866	0	0	32,866	0	0	9,258	9,258	0	257,720
HALIFAX	AQUATIC CO							1100 INDUSTRIAL PARK RD HALIFAX INDUSTRIAL				NAICS Code	326191
METHYL METHACRYLATE	N	1,120	11,820	12,940	0	0	12,940	0	0	147	147	0	517
STYRENE	N	17,319	180,676	197,995	0	0	197,995	0	0	1,964	1,964	0	4,994
Total for AQUATIC CO		18,439	192,496	210,935	0	0	210,935	0	0	2,111	2,111	0	5,511
HALIFAX	CLOVER POWER STATION							4091 CLOVER RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BARIUM COMPOUNDS (EXCEPT FO	N	0	0	0	62,400	1,010	63,410	0	0	0	0	0	0
HYDROCHLORIC ACID (ACID AERO	N	0	3,570	3,570	0	0	3,570	0	0	487,000	487,000	0	0
HYDROGEN FLUORIDE	N	0	1,800	1,800	0	0	1,800	0	0	59,600	59,600	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
SULFURIC ACID (ACID AEROSOLS I	N	0	55,400	55,400	0	0	55,400	0	0	123,000	123,000	0	0
VANADIUM COMPOUNDS	N	0	43	43	24,400	0	24,443	0	0	0	0	0	0
Total for CLOVER POWER STATION		0	60,813	60,813	86,800	1,010	148,623	0	0	669,600	669,600	0	0
HALIFAX		HITACHI ENERGY USA INC.						2135 PHILPOTT RD				NAICS Code	335311
CHROMIUM	N	2	0	2	0	0	2	0	0	0	0	0	152,659
COPPER	N	206	0	206	0	0	206	0	0	0	0	0	603,988
MANGANESE	N	42	0	42	0	0	42	0	0	0	0	0	352,125
NICKEL	N	1	0	1	0	0	1	0	0	0	0	0	52,207
Total for HITACHI ENERGY USA INC.		251	0	251	0	0	251	0	0	0	0	0	1,160,979
HALIFAX		HUBER ENGINEERED WOODS LLC						1000 CHANEY LN				NAICS Code	321219
ACETALDEHYDE	N	198	6,110	6,308	0	0	6,308	0	0	61,306	61,306	0	0
ACROLEIN	N	177	12,810	12,987	0	0	12,987	0	0	24,179	24,179	0	0
DIISOCYANATES	N	0	95	95	0	0	95	0	0	1,798	1,798	0	0
FORMALDEHYDE	N	156	20,557	20,713	0	0	20,713	0	0	183,076	183,076	0	0
METHANOL	N	573	42,106	42,679	0	0	42,679	0	0	104,928	104,928	0	0
PHENOL	N	365	18,539	18,904	0	0	18,904	0	0	63,111	63,111	0	0
Total for HUBER ENGINEERED WOODS LLC		1,469	100,217	101,686	0	0	101,686	0	0	438,398	438,398	0	0
HALIFAX		VOESTALPINE HIGH PERFORMANCE METALS - SOUTH BOSTON PLA						2306 EASTOVER DR				NAICS Code	331222
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	4,455
COBALT	N	0	0	0	0	0	0	0	0	0	0	0	1,382

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
METHANOL	N	5	5	10	0	0	10	0	0	0	0	0	0
Total for VOESTALPINE HIGH PERFORMANCE ME		5	5	10	0	0	10	0	0	0	0	0	5,837
Total for Above County : (23 reports)		20,164	353,531	373,695	86,800	1,010	461,505	0	0	1,110,109	1,110,109	0	1,172,327
HAMPTON (CITY) CATALINA CYLINDERS INC								2400 ALUMINUM AVE				NAICS Code 331318	
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	19,631
NITRIC ACID	N	0	0	0	0	0	0	0	0	21,215	21,215	0	1,502
Total for CATALINA CYLINDERS INC		0	0	0	0	0	0	0	0	21,215	21,215	0	21,133
HAMPTON (CITY) HOWMET CASTINGS & SERVICES INC								ONE HOWMET DR				NAICS Code 331529	
4,4'-ISOPROPYLIDENEDIPHENOL	N	30	60	90	0	0	90	0	0	1,481	1,481	76	149,560
ALUMINUM (FUME OR DUST)	N	19	176	195	0	0	195	0	0	0	0	0	0
CHROMIUM	N	0	5	5	0	0	5	0	0	0	0	12	2,993
COBALT	N	0	7	7	0	0	7	0	0	0	0	3	2,513
HYDROGEN FLUORIDE	N	0	384	384	0	0	384	0	0	14,269	14,269	7	2,842
NICKEL	N	0	13	13	0	0	13	0	0	0	0	22	14,786
NITRIC ACID	N	0	564	564	0	0	564	0	0	820	820	0	36,604
Total for HOWMET CASTINGS & SERVICES INC		49	1,209	1,258	0	0	1,258	0	0	16,570	16,570	120	209,298
HAMPTON (CITY) SUNBELT FOREST PRODUCTS, INC								5604 CITY LINE RD				NAICS Code 321114	
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for SUNBELT FOREST PRODUCTS, INC		0	0	0	0	0	0	0	0	0	0	0	0
HAMPTON (CITY) TCS MATERIALS HAMPTON 58TH ST. READY-MIX								2510 58TH ST				NAICS Code 327320	

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NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	221	0	221	0	0
Total for TCS MATERIALS HAMPTON 58TH ST. RE		0	0	0	0	0	0	0	221	0	221	0	0
HAMPTON (CITY)								633 CES/CEIE 37 SWEENEY BLVD				NAICS Code	928110
NAPHTHALENE	N	5	5	10	0	0	10	0	0	0	0	0	0
Total for U.S. DOD, USAF, JOINT BASE LANGLEY		5	5	10	0	0	10	0	0	0	0	0	0
Total for Above County : (12 reports)		54	1,214	1,268	0	0	1,268	0	221	37,785	38,006	120	230,431
HANOVER								10040 LICKINGHOLE RD				NAICS Code	325998
SODIUM NITRITE	N	0	0	0	0	0	0	0	0	0	0	0	4,941
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CHEMTREAT INC		0	0	0	0	0	0	0	0	0	0	0	4,941
HANOVER								10988 LEADBETTER RD				NAICS Code	332812
ZINC COMPOUNDS	N	0	0	0	0	101	101	0	0	0	0	0	43,209
Total for COMMONWEALTH GALVANIZING		0	0	0	0	101	101	0	0	0	0	0	43,209
HANOVER								10364 DESIGN RD				NAICS Code	327332
MANGANESE	N	0	23	23	0	0	23	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC-HANO		0	23	23	0	0	23	0	0	0	0	0	0
HANOVER								10098 OLD RIDGE RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	N	5	76,667	76,672	0	0	76,672	0	0	0	0	0	0
AMMONIA	N	5	292,578	292,583	0	0	292,583	0	0	0	0	0	0

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NAPHTHALENE	N	5	42,167	42,172	0	0	42,172	0	0	0	0	0	0
N-HEXANE	N	5	76,667	76,672	0	0	76,672	0	0	0	0	0	0
Total for DOSWELL LP		20	488,079	488,099	0	0	488,099	0	0	0	0	0	0
HANOVER SOUTH ATLANTIC GALVANIZING LLC								11022 LEWISTOWN RD				NAICS Code	332812
ZINC COMPOUNDS	N	5,221	0	5,221	0	63	5,284	0	0	0	0	0	217,456
Total for SOUTH ATLANTIC GALVANIZING LLC		5,221	0	5,221	0	63	5,284	0	0	0	0	0	217,456
HANOVER TYSON FARMS INC. - PROCESSING FACILITY								13264 MOUNTAIN RD				NAICS Code	311615
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	33,000	33,000	0	0	1,322,000	1,322,000	0	0
PERACETIC ACID	N	20	0	20	0	0	20	0	0	290,077	290,077	0	0
Total for TYSON FARMS INC. - PROCESSING FACI		20	0	20	0	33,000	33,020	0	0	1,612,077	1,612,077	0	0
Total for Above County : (11 reports)		5,261	488,102	493,363	0	33,164	526,526	0	0	1,612,077	1,612,077	0	265,606
HARRISONBURG (CITY) DRIV								3160 ABBOTT LN				NAICS Code	336390
CHROMIUM	N	0	4	4	0	0	4	0	0	0	0	0	236,611
COBALT	N	0	4	4	0	0	4	0	0	0	0	0	2,029
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	64,110
MANGANESE	N	0	1,116	1,116	0	0	1,116	0	0	0	0	0	199,144
NICKEL	N	0	4	4	0	0	4	0	0	0	0	0	156,280
Total for DRIV		0	1,127	1,127	0	0	1,127	0	0	0	0	0	658,174
HARRISONBURG (CITY) GEORGE'S FOODS LLC FEED MILL								61 KRATZER RD				NAICS Code	311119
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0

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MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GEORGE'S FOODS LLC FEED MILL		0	0	0	0	0	0	0	0	0	0	0	0
HARRISONBURG (CITY) GILMER INDUSTRIES INC								560 STONE SPRING RD				NAICS Code	325611
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	0	0	0	0	0	48
DIETHANOLAMINE	N	0	0	0	0	0	0	0	0	0	0	0	5
NITRIC ACID	N	0	0	0	0	0	0	0	0	0	0	75	75
Total for GILMER INDUSTRIES INC		0	0	0	0	0	0	0	0	0	0	75	128
HARRISONBURG (CITY) KERRY INC.								1711 N LIBERTY ST				NAICS Code	311613
AMMONIA	N	1,100	0	1,100	0	0	1,100	0	0	0	0	2,801	2,801
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	2,359	2,359
Total for KERRY INC.		1,100	0	1,100	0	0	1,100	0	0	0	0	5,160	5,160
HARRISONBURG (CITY) PILGRIM'S PRIDE CORP HARRISONBURG FEEDMILL								590 MT CLINTON PIKE				NAICS Code	311119
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for PILGRIM'S PRIDE CORP HARRISONBUR		0	0	0	0	0	0	0	0	0	0	0	0
HARRISONBURG (CITY) QUARLES PETROLEUM INC HARRISONBURG BULK PLANT								1006 W MARKET ST				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUARLES PETROLEUM INC HARRISONB		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (22 reports)		1,100	1,127	2,227	0	0	2,227	0	0	0	0	5,235	663,462
HENRICO ENNIS-FLINT RICHMOND								4400 VAWTER AVE				NAICS Code	325510
CERTAIN GLYCOL ETHERS	N	0	62	62	0	0	62	0	0	0	0	0	24,308
METHANOL	N	0	9,498	9,498	0	0	9,498	0	0	0	0	0	37,206
Total for ENNIS-FLINT RICHMOND		0	9,560	9,560	0	0	9,560	0	0	0	0	0	61,514
HENRICO IR ENGRAVING LLC								5901 LEWIS RD				NAICS Code	323111
COPPER	N	1	1	2	0	0	2	0	0	0	0	0	599
NITRIC ACID	N	0	1,295	1,295	0	0	1,295	0	0	0	0	0	0
Total for IR ENGRAVING LLC		1	1,296	1,297	0	0	1,297	0	0	0	0	0	599
HENRICO JOHNS MANVILLE CORP HAMILTON PLANT								7400 RANCO RD				NAICS Code	322220
ANTIMONY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	745
Total for JOHNS MANVILLE CORP HAMILTON PLA		0	0	0	0	0	0	0	0	0	0	0	745
HENRICO POWER DISTRIBUTION INC.								5250 KLOCKNER DR				NAICS Code	335999
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	84
Total for POWER DISTRIBUTION INC.		0	0	0	0	0	0	0	0	0	0	0	84

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
HENRICO	SOUTHERN GRAPHIC SYSTEMS LLC							5301 LEWIS RD				NAICS Code	323120
COPPER COMPOUNDS	N	20	181	201	0	0	201	0	0	0	0	0	40,707
Total for SOUTHERN GRAPHIC SYSTEMS LLC		20	181	201	0	0	201	0	0	0	0	0	40,707
HENRICO	STERILIZATION SERVICES OF VIRGINIA							5674 EASTPORT BLVD				NAICS Code	339112
ETHYLENE GLYCOL	N	0	0	0	0	0	0	0	0	0	0	0	956,181
ETHYLENE OXIDE	N	147	4,878	5,025	0	0	5,025	0	0	490,816	490,816	0	0
Total for STERILIZATION SERVICES OF VIRGINIA		147	4,878	5,025	0	0	5,025	0	0	490,816	490,816	0	956,181
Total for Above County : (9 reports)		168	15,915	16,083	0	0	16,083	0	0	490,816	490,816	0	1,059,831
HENRY	BASSETT PLANT 11							PATRIOT CENTRE AT BEAVER CREEK				NAICS Code	337122
N-BUTYL ALCOHOL	N	0	11,974	11,974	0	0	11,974	0	0	0	0	0	0
TOLUENE	N	0	9,358	9,358	0	0	9,358	0	0	0	0	0	0
Total for BASSETT PLANT 11		0	21,332	21,332	0	0	21,332	0	0	0	0	0	0
HENRY	CPFILMS, INC.							345 BEAVER CREEK DR				NAICS Code	326112
DIISOCYANATES	N	0	5	5	0	0	5	0	0	56,001	56,001	0	36,860
ETHYLENE GLYCOL	N	5	6,749	6,754	0	0	6,754	0	1,205,049	0	1,205,049	3,694	115,288
METHYL ISOBUTYL KETONE	N	5	188	193	0	0	193	0	0	18,626	18,626	0	2,766
N-HEXANE	N	5	603	608	0	0	608	0	0	59,688	59,688	0	2,394
N-METHYL-2-PYRROLIDONE	N	5	3,056	3,061	0	0	3,061	0	0	3,056	3,056	3,007	91,638
TOLUENE	N	5	6,388	6,393	0	0	6,393	0	0	511,252	511,252	0	29,362
Total for CPFILMS, INC.		25	16,989	17,014	0	0	17,014	0	1,205,049	648,623	1,853,672	6,700	278,308

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
HENRY	EASTMAN PERFORMANCE FILMS, LLC - PLANT II							4129 THE GREAT RD				NAICS Code	326130
ACRYLIC ACID	N	20	378	398	0	0	398	0	0	35,384	35,384	0	5,858
ETHYLENE GLYCOL	N	102,969	4,793	107,762	0	0	107,762	0	0	463,779	463,779	51,531	241,750
METHYL ISOBUTYL KETONE	N	67	1,270	1,337	0	0	1,337	0	0	51,552	51,552	0	25
N-HEXANE	N	53	999	1,052	0	0	1,052	0	0	82,534	82,534	0	0
N-METHYL-2-PYRROLIDONE	N	138,900	585	139,485	0	0	139,485	0	0	416,263	416,263	46,251	556,947
TOLUENE	N	481	9,134	9,615	0	0	9,615	0	0	738,906	738,906	0	184,298
Total for EASTMAN PERFORMANCE FILMS, LLC -		242,490	17,159	259,649	0	0	259,649	0	0	1,788,418	1,788,418	97,782	988,878
HENRY	EASTMAN PERFORMANCE FILMS, LLC-AXTON FACILITY							47 BRENDA DR				NAICS Code	326130
ETHYLENE GLYCOL	N	33,233	3,613	36,846	0	0	36,846	0	0	0	0	0	110,801
N-METHYL-2-PYRROLIDONE	N	72,285	181	72,466	0	0	72,466	0	0	0	0	0	239,697
Total for EASTMAN PERFORMANCE FILMS, LLC-A		105,518	3,794	109,312	0	0	109,312	0	0	0	0	0	350,498
HENRY	EASTMAN PERFORMANCE FILMS, LLC-PLANT 1							4210 THE GREAT RD				NAICS Code	326130
TOLUENE	N	92	1,742	1,834	0	0	1,834	0	0	169,195	169,195	0	81,520
Total for EASTMAN PERFORMANCE FILMS, LLC-P		92	1,742	1,834	0	0	1,834	0	0	169,195	169,195	0	81,520
HENRY	MEHLER ENGINEERED PRODUCTS							175 MEHLER LN				NAICS Code	314994
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	440
TOLUENE	N	216	5	221	0	0	221	481,450	0	0	481,450	0	8,083
XYLENE (MIXED ISOMERS)	N	5	0	5	0	0	5	8,534	0	0	8,534	0	75
Total for MEHLER ENGINEERED PRODUCTS		221	5	226	0	0	226	489,984	0	0	489,984	0	8,598

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
HENRY	MONOGRAM SNACKS MARTINSVILLE LLC							200 KNAUSS DRIVE				NAICS Code	311612
AMMONIA	N	4,442	0	4,442	0	0	4,442	0	0	0	0	0	4,322
Total for MONOGRAM SNACKS MARTINSVILLE LL		4,442	0	4,442	0	0	4,442	0	0	0	0	0	4,322
HENRY	NATIONWIDE HOMES INC.							1100 RIVES RD				NAICS Code	321991
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for NATIONWIDE HOMES INC.		0	0	0	0	0	0	0	0	0	0	0	0
HENRY	RTI MARTINSVILLE INC							101 RTI WAY				NAICS Code	332112
ALUMINUM (FUME OR DUST)	N	8	760	768	0	0	768	0	0	0	0	0	45,272
Total for RTI MARTINSVILLE INC		8	760	768	0	0	768	0	0	0	0	0	45,272
Total for Above County : (23 reports)		352,796	61,781	414,577	0	0	414,577	489,984	1,205,049	2,606,236	4,301,269	104,482	1,757,396
HOPEWELL (CITY)	ADVANSIX INC HOPEWELL PLANT							905 E RANDOLPH RD				NAICS Code	325199
ACETALDEHYDE	N	1,113	641	1,754	0	0	1,754	0	0	73,227	73,227	0	1,215
AMMONIA	N	14,734	1,209,189	1,223,923	0	63,993	1,287,916	0	0	0	0	91,220	55,292
BENZENE	N	159	6,177	6,336	0	1,429	7,765	0	67,643	224,633	292,276	136	125
CHROMIUM COMPOUNDS (EXCEPT	N	0	0	0	0	811	811	0	0	0	0	136	103
COPPER COMPOUNDS	N	0	0	0	0	1,896	1,896	0	0	0	0	123	2,766
CYCLOHEXANOL	N	1,225	3,127	4,352	0	32,293	36,645	0	0	22,189	22,189	63,110	57,430
METHANOL	N	165	8,660	8,825	0	0	8,825	1,125,462	0	0	1,125,462	6,745	6,996
NICKEL COMPOUNDS	N	0	0	0	0	1,705	1,705	0	0	0	0	151	2,734
NITRATE COMPOUNDS (WATER DI	N	0	3,472	3,472	0	116,675	120,147	0	0	0	0	332,608	299,347

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
PHENOL	N	9,945	20,651	30,596	0	1,429	32,025	7,606	0	45,261	52,867	14,827	907,347
SULFURIC ACID (ACID AEROSOLS I	N	11,302	26,065	37,367	0	0	37,367	0	1,563,449	0	1,563,449	0	0
TOLUENE	N	3,730	7,142	10,872	0	1,412	12,284	0	60,866	195,744	256,610	337	2,271
ZINC COMPOUNDS	N	0	0	0	0	12,751	12,751	0	0	0	0	3,965	5,294
Total for ADVANSIX INC HOPEWELL PLANT		42,373	1,285,124	1,327,497	0	234,394	1,561,891	1,133,068	1,691,958	561,054	3,386,080	513,358	1,340,921
HOPEWELL (CITY) ASHLAND SPECIALTY INGREDIENTS GP								1111 HERCULES RD				NAICS Code	325199
CERTAIN GLYCOL ETHERS	N	7	0	7	0	0	7	0	0	0	0	0	215,590
CHLOROACETIC ACID	N	828	2	830	0	0	830	0	0	0	0	0	0
CHLOROETHANE	N	79,425	2,051	81,476	0	0	81,476	0	0	0	0	5	839
ETHYLENE	N	5,650	67,024	72,674	0	0	72,674	0	0	0	0	0	0
ETHYLENE GLYCOL	N	57	0	57	0	0	57	0	0	0	0	1,896,740	1,655,205
ETHYLENE OXIDE	N	921	76	997	0	0	997	0	0	68	68	0	0
METHANOL	N	42,202	2,562	44,764	0	0	44,764	0	0	0	0	198,957	199,397
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	4,433,097	3,178,976
NITRIC ACID	N	2,290	5	2,295	0	0	2,295	0	0	0	0	0	0
PROPYLENE OXIDE	N	2,604	132	2,736	0	0	2,736	0	0	88	88	51	46
TERT-BUTYL ALCOHOL	N	20,404	5,917	26,321	0	0	26,321	0	0	0	0	54,512	49,016
Total for ASHLAND SPECIALTY INGREDIENTS GP		154,388	77,769	232,157	0	0	232,157	0	0	156	156	6,583,362	5,299,069
HOPEWELL (CITY) EVONIK INDUSTRIES								914 E RANDOLPH RD				NAICS Code	325613
ACRYLIC ACID	N	0	1,194	1,194	0	0	1,194	0	0	0	0	0	1,858
ALLYL ALCOHOL	N	27	134	162	0	0	162	0	0	2,686	2,686	0	0

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CHLOROACETIC ACID	N	5	288	293	0	0	293	0	0	5,768	5,768	0	0
ETHYLENE GLYCOL	N	3	519	522	0	0	522	0	0	0	0	0	62,016
ETHYLENE OXIDE	N	56	19	75	0	0	75	0	0	19,184	19,184	0	0
N-BUTYL ALCOHOL	N	27	26	53	0	0	53	0	0	511	511	0	17,112
PROPYLENE OXIDE	N	50	19	69	0	0	69	0	0	19,184	19,184	0	0
Total for EVONIK INDUSTRIES		169	2,200	2,369	0	0	2,369	0	0	47,333	47,333	0	80,986
HOPEWELL (CITY)		WESTROCK CP LLC						910 INDUSTRIAL ST				NAICS Code	322130
AMMONIA	N	0	55,412	55,412	0	0	55,412	0	0	0	0	5,008	3,005
BARIUM COMPOUNDS (EXCEPT FO	N	0	549	549	0	0	549	0	0	0	0	0	12,913
CATECHOL	N	0	0	0	0	0	0	0	0	0	0	314	289
FORMALDEHYDE	N	0	5,359	5,359	0	0	5,359	0	0	1,996	1,996	4,662	4,289
HYDROCHLORIC ACID (ACID AERO	N	0	32,071	32,071	0	0	32,071	0	0	0	0	0	0
HYDROGEN SULFIDE	N	0	20,126	20,126	0	0	20,126	0	0	47,693	47,693	143,541	143,541
MANGANESE COMPOUNDS	N	0	113	113	0	0	113	0	0	0	0	6,101	69,705
METHANOL	N	0	216,238	216,238	0	0	216,238	0	0	238,203	238,203	4,732,046	4,353,482
PHENOL	N	0	5,732	5,732	0	0	5,732	0	0	1,424	1,424	4,583	4,216
Total for WESTROCK CP LLC		0	335,600	335,600	0	0	335,600	0	0	289,316	289,316	4,896,255	4,591,440
HOPEWELL (CITY)		WESTROCK CP, LLC						910 INDUSTRIAL ST				NAICS Code	322130
ACETALDEHYDE	N	0	10,410	10,410	0	0	10,410	0	0	2,748	2,748	0	62,517
Total for WESTROCK CP, LLC		0	10,410	10,410	0	0	10,410	0	0	2,748	2,748	0	62,517

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*** BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDs THE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air	Stack Air	Total Air	Land	Water	Total On-Site Releases	Energy Recovery	Recycling	Treatment	Total On-Site Management	POTW	Total Other Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Above County : (41 reports)		196,930	1,711,103	1,908,033	0	234,394	2,142,427	1,133,068	1,691,958	900,607	3,725,633	11,992,975	11,374,933
ISLE OF WIGHT INTERNATIONAL PAPER FRANKLIN MILL								34040 UNION CAMP DR				NAICS Code	322110
ACETALDEHYDE	N	6,095	18,549	24,644	0	380	25,024	0	0	39,354	39,354	0	3
AMMONIA	N	0	105,220	105,220	0	1,534	106,754	0	0	149,510	149,510	0	22
BARIUM COMPOUNDS (EXCEPT FO	N	0	20	20	0	459	478	0	0	0	0	0	3,518
CATECHOL	N	0	0	0	0	39	39	0	0	754	754	0	1
CHLORINE	N	5	4,781	4,786	0	0	4,786	0	0	217,459	217,459	0	0
CHLORINE DIOXIDE	N	5	1,559	1,564	0	0	1,564	0	0	8,494,441	8,494,441	0	0
CRESOL (MIXED ISOMERS)	N	12,325	2,304	14,629	0	5	14,634	0	0	8,408	8,408	0	2
FORMALDEHYDE	N	708	7,533	8,241	0	1,118	9,359	0	0	31,440	31,440	0	9
FORMIC ACID	N	0	0	0	0	63	63	0	0	0	0	0	0
HYDROCHLORIC ACID (ACID AERO	N	0	46,818	46,818	0	0	46,818	0	0	0	0	0	0
HYDROGEN SULFIDE	N	91,467	44,483	135,950	0	171	136,121	0	0	475,818	475,818	0	230
MANGANESE COMPOUNDS	N	0	54	54	0	6,169	6,223	0	0	0	0	0	38,624
METHANOL	N	266,561	410,310	676,871	0	0	676,871	0	0	6,197,961	6,197,961	0	3,181
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	31,215	31,215	0	0	0	0	0	18
PHENOL	N	557	14,810	15,367	0	6	15,373	0	0	2,440	2,440	0	2
Total for INTERNATIONAL PAPER FRANKLIN MILL		377,723	656,441	1,034,164	0	41,159	1,075,322	0	0	15,617,585	15,617,585	0	45,610
ISLE OF WIGHT SMITHFIELD FRESH MEATS CORP								501 N CHURCH ST				NAICS Code	311119
AMMONIA	N	1,846	0	1,846	0	0	1,846	0	0	0	0	0	18,460

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for SMITHFIELD FRESH MEATS CORP		1,846	0	1,846	0	0	1,846	0	0	0	0	0	18,460
ISLE OF WIGHT SMITHFIELD FRESH MEATS CORP SMITHFIELD, VA FACILITY								601 N CHURCH ST				NAICS Code	311612
AMMONIA	N	18,865	526	19,391	0	135	19,526	0	0	0	0	2,324	9
HYDROGEN SULFIDE	N	28,707	68	28,775	0	0	28,775	0	0	0	0	4,623	5
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	375	375	0	0	0	0	704,510	300
Total for SMITHFIELD FRESH MEATS CORP SMIT		47,572	594	48,166	0	510	48,676	0	0	0	0	711,457	314
Total for Above County : (19 reports)		427,141	657,035	1,084,176	0	41,669	1,125,845	0	0	15,617,585	15,617,585	711,457	64,384
JAMES CITY ANHEUSER-BUSCH LLC								7801 POCAHONTAS TRAIL				NAICS Code	312120
AMMONIA	N	9,100	25,641	34,741	0	0	34,741	0	0	0	0	0	1,447
Total for ANHEUSER-BUSCH LLC		9,100	25,641	34,741	0	0	34,741	0	0	0	0	0	1,447
JAMES CITY BALL METAL BEVERAGE CONTAINER CORP								8935 POCAHONTAS TRAIL JAMES RIVER C				NAICS Code	332431
CERTAIN GLYCOL ETHERS	N	387,072	0	387,072	0	0	387,072	0	0	0	0	0	606
MANGANESE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-BUTYL ALCOHOL	N	229,531	0	229,531	0	0	229,531	0	0	0	0	0	249
SULFURIC ACID (ACID AEROSOLS I	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for BALL METAL BEVERAGE CONTAINER C		616,603	0	616,603	0	0	616,603	0	0	0	0	0	855
JAMES CITY GREYSTONE OF VIRGINIA INC								7992 RICHMOND RD				NAICS Code	332813
CHROMIUM COMPOUNDS (EXCEPT	N	0	0	0	0	0	0	0	0	0	0	22	7,857
Total for GREYSTONE OF VIRGINIA INC		0	0	0	0	0	0	0	0	0	0	22	7,857

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Above County : (6 reports)		625,703	25,641	651,344	0	0	651,344	0	0	0	0	22	10,158
KING GEORGE BIRCHWOOD POWER FACILITY								10900 BIRCHWOOD DR				NAICS Code	221112
AMMONIA	N	48	33	81	0	0	81	0	0	58,936	58,936	0	536
HYDROCHLORIC ACID (ACID AERO	N	0	951	951	0	0	951	0	0	88,776	88,776	0	0
SULFURIC ACID (ACID AEROSOLS I	N	0	149	149	0	0	149	0	0	32,664	32,664	0	0
Total for BIRCHWOOD POWER FACILITY		48	1,133	1,181	0	0	1,181	0	0	180,376	180,376	0	536
KING GEORGE CMC REBAR VA KING GEORGE								10924 DENNIS W KERNS PKWY				NAICS Code	332312
NICKEL COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CMC REBAR VA KING GEORGE		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (4 reports)		48	1,133	1,181	0	0	1,181	0	0	180,376	180,376	0	536
KING WILLIAM WESTROCK CP, LLC								1901 MAIN ST				NAICS Code	322110
ACETALDEHYDE	N	37	24,838	24,874	0	356	25,230	0	0	14,972	14,972	0	0
AMMONIA	N	223	117,816	118,039	0	770	118,809	0	0	24,846	24,846	0	0
BARIUM COMPOUNDS (EXCEPT FO	N	0	653	653	0	0	653	0	0	0	0	0	9,274
CATECHOL	N	0	0	0	0	59	59	0	0	339	339	0	0
CHLORINE	N	5	6	11	0	0	11	0	0	625	625	0	0
CHLORINE DIOXIDE	N	5	66	71	0	0	71	0	0	6,490	6,490	0	0
FORMALDEHYDE	N	9	10,357	10,366	0	553	10,919	0	0	0	0	0	0
FORMIC ACID	N	0	0	0	0	1,664	1,664	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
HYDROCHLORIC ACID (ACID AERO	N	0	59,530	59,530	0	0	59,530	0	0	66,080	66,080	0	0
HYDROGEN SULFIDE	N	4,652	40,733	45,385	0	174	45,559	0	0	215,546	215,546	0	4
MANGANESE COMPOUNDS	N	0	315	315	0	41,216	41,531	0	0	0	0	0	65,061
METHANOL	N	8,500	491,169	499,669	0	4,040	503,709	0	0	2,422,626	2,422,626	0	31
PHENOL	N	15	15,198	15,213	0	1,712	16,925	0	0	7,560	7,560	0	1
ZINC COMPOUNDS	N	0	315	315	0	489	804	0	0	0	0	0	11,990
Total for WESTROCK CP, LLC		13,445	760,997	774,442	0	51,033	825,475	0	0	2,759,084	2,759,084	0	86,362
Total for Above County : (14 reports)		13,445	760,997	774,442	0	51,033	825,475	0	0	2,759,084	2,759,084	0	86,362

LOUDOUN		CHANTILLY READY MIX CONCRETE						25232 WILLARD ROAD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CHANTILLY READY MIX CONCRETE		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN		MENZIES AVIATION FUELING OPERATIONS WASH DULLES INTERN						TANK FARM RD BUILDING 2				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	N	106	0	106	0	0	106	0	0	0	0	0	0
ARSENIC	N	1	0	1	0	0	1	0	0	0	0	0	0
BENZENE	N	68	0	68	0	0	68	0	0	0	0	0	0
BERYLLIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
CADMIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM	N	1	0	1	0	0	1	0	0	0	0	0	0
ETHYLBENZENE	N	68	0	68	0	0	68	0	0	0	0	0	0
METHYL TERT-BUTYL ETHER	N	637	0	637	0	0	637	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NAPHTHALENE	N	144	0	144	0	0	144	0	7,725	0	7,725	0	1,288
N-HEXANE	N	43	0	43	0	0	43	0	0	0	0	0	0
TOLUENE	N	306	0	306	0	0	306	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	304	0	304	0	0	304	0	0	0	0	0	0
Total for MENZIES AVIATION FUELING OPERATIO		1,678	0	1,678	0	0	1,678	0	7,725	0	7,725	0	1,288
LOUDOUN SUPERIOR CONCRETE MATERIALS INC. - DULLES								44146 WADE DR				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	506	506	0	0	0	0	0	0
Total for SUPERIOR CONCRETE MATERIALS INC.		0	0	0	0	506	506	0	0	0	0	0	0
LOUDOUN TTM TECHNOLOGIES N.A. LLC.								1200 SEVERN WAY				NAICS Code	334412
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	207	130,947
FORMALDEHYDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	27,269	24,547
NITRIC ACID	N	5	5	10	0	0	10	0	0	27,709	27,709	0	2,833
SULFURIC ACID (ACID AEROSOLS I	N	5	5	10	0	0	10	0	0	750	750	0	0
Total for TTM TECHNOLOGIES N.A. LLC.		10	10	20	0	0	20	0	0	28,459	28,459	27,476	158,327
LOUDOUN TTM TECHNOLOGIES NORTH AMERICA, LLC.								1200 SEVERN WAY				NAICS Code	334412
AMMONIA	N	263	5,117	5,380	0	0	5,380	0	0	0	0	0	9,635
Total for TTM TECHNOLOGIES NORTH AMERICA,		263	5,117	5,380	0	0	5,380	0	0	0	0	0	9,635
LOUDOUN VIRGINIA CONCRETE CO INC-CHANTILLY								25086 TANNER LN				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	78	78	0	0	0	0	0	0

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for VIRGINIA CONCRETE CO INC-CHANTILL		0	0	0	0	78	78	0	0	0	0	0	0
LOUDOUN	VIRGINIA CONCRETE COCHRAN MILL							42574 COCHRAN MILL RD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	109	109	0	0	0	0	0	0
Total for VIRGINIA CONCRETE COCHRAN MILL		0	0	0	0	109	109	0	0	0	0	0	0
LOUDOUN	VIRGINIA CONCRETE DULLES PLANT							44866 OLD OX RD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	90	90	0	0	0	0	0	0
Total for VIRGINIA CONCRETE DULLES PLANT		0	0	0	0	90	90	0	0	0	0	0	0
Total for Above County : (23 reports)		1,951	5,127	7,078	0	783	7,861	0	7,725	28,459	36,184	27,476	169,250
LOUISA	GORDONSVILLE POWER STATION							819 HILL RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GORDONSVILLE POWER STATION		0	0	0	0	0	0	0	0	0	0	0	0
LOUISA	OLD DOMINION ELECTRIC CO-OP LOUISA GENERATION FACILITY							3352 KLOCKNER RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLD DOMINION ELECTRIC CO-OP LOUIS		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (6 reports)		0	0	0	0	0	0	0	0	0	0	0	0

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
LUNENBURG	VIRGINIA MARBLE MANUFACTURERS INC							CORNER OF BRUNSWICK & OAK ST				NAICS Code	326191
STYRENE	N	0	59,849	59,849	0	0	59,849	0	0	0	0	0	0
STYRENE	N	0	31,519	31,519	0	0	31,519	0	0	0	0	0	0
Total for VIRGINIA MARBLE MANUFACTURERS IN		0	91,368	91,368	0	0	91,368	0	0	0	0	0	0
Total for Above County : (2 reports)		0	91,368	91,368	0	0	91,368	0	0	0	0	0	0
LYNCHBURG (CITY)	BANKER STEEL COMPANY, LLC							1619 WYTHE RD				NAICS Code	332312
CHROMIUM	N	1	0	1	0	0	1	0	0	0	0	0	1,155
MANGANESE	N	116	0	116	0	0	116	0	0	0	0	0	10,489
NICKEL	N	1	0	1	0	0	1	0	0	0	0	0	11,437
Total for BANKER STEEL COMPANY, LLC		118	0	118	0	0	118	0	0	0	0	0	23,081
LYNCHBURG (CITY)	DAVIS-FROST INC							3416 CANDLERS MOUNTAIN RD				NAICS Code	325510
CERTAIN GLYCOL ETHERS	N	97	0	97	0	0	97	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	1,020	0	1,020	0	0	1,020	0	0	0	0	0	20,890
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for DAVIS-FROST INC		1,117	0	1,117	0	0	1,117	0	0	0	0	0	20,890
LYNCHBURG (CITY)	FLOWSERVE CORP LYNCHBURG VA							5114 WOODALL RD				NAICS Code	333995
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for FLOWSERVE CORP LYNCHBURG VA		0	0	0	0	0	0	0	0	0	0	0	0
LYNCHBURG (CITY)	GRIFFIN PIPE PRODUCTS CO							10 ADAMS ST				NAICS Code	331511

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	2
MANGANESE COMPOUNDS	N	12	3,120	3,132	0	30	3,162	0	0	0	0	0	59,474
ZINC COMPOUNDS	N	54	136,946	137,000	0	299	137,299	0	0	0	0	557	838,830
Total for GRIFFIN PIPE PRODUCTS CO		66	140,066	140,132	0	330	140,461	0	0	0	0	557	898,306
LYNCHBURG (CITY)		SLOCUM ADHESIVES CORP.						2500 CARROLL AVE				NAICS Code	325520
2,4-DIAMINOTOLUENE	N	0	0	0	0	0	0	0	0	0	0	0	0
DICHLOROMETHANE	N	0	0	0	0	0	0	0	0	0	0	0	0
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for SLOCUM ADHESIVES CORP.		0	0	0	0	0	0	0	0	0	0	0	0
LYNCHBURG (CITY)		SLOCUM ADHESIVES CORPORATION						1409 BUCHANAN ST				NAICS Code	325520
1-BROMOPROPANE	N	324	0	324	0	0	324	0	0	0	0	0	0
DICHLOROMETHANE	N	2,515	0	2,515	0	0	2,515	0	0	0	0	0	0
N-HEXANE	N	1,042	0	1,042	0	0	1,042	0	0	0	0	0	0
TOLUENE	N	646	0	646	0	0	646	0	0	0	0	0	0
TRICHLOROETHYLENE	N	461	0	461	0	0	461	0	0	0	0	0	0
Total for SLOCUM ADHESIVES CORPORATION		4,988	0	4,988	0	0	4,988	0	0	0	0	0	0
LYNCHBURG (CITY)		TRI TECH LABORATORIES, LLC						1000 ROBINS RD				NAICS Code	325620
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	0	0	0	0	0	2,492
Total for TRI TECH LABORATORIES, LLC		0	0	0	0	0	0	0	0	0	0	0	2,492

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
LYNCHBURG (CITY)	VIRGINIA METAL TREATING, INC.							111 LYNCHPIN LN				NAICS Code	332811
METHANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA METAL TREATING, INC.		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (21 reports)		6,289	140,066	146,355	0	330	146,684	0	0	0	0	557	944,768
MADISON	MADISON WOOD PRESERVERS INC.							216 OAK PARK RD				NAICS Code	321114
ARSENIC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM COMPOUNDS (EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MADISON WOOD PRESERVERS INC.		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 reports)		0	0	0	0	0	0	0	0	0	0	0	0
MECKLENBURG	AMERICAN BUILDINGS COMPANY-LA CROSSE							501 GOLDEN EAGLE DR				NAICS Code	332311
MANGANESE	N	24	0	24	0	0	24	0	0	0	0	0	11,321
Total for AMERICAN BUILDINGS COMPANY-LA CR		24	0	24	0	0	24	0	0	0	0	0	11,321
Total for Above County : (1 record)		24	0	24	0	0	24	0	0	0	0	0	11,321
MONTGOMERY	ALLIANT TECHSYSTEMS OPERATIONS LLC (NEW RIVER ENERGETI							RT 114 RADFORD ARMY AMMUNITION PLANT				NAICS Code	325920
DIPHENYLAMINE	N	0	321	321	0	0	321	0	1,547	0	1,547	0	747
NITRATE COMPOUNDS (WATER DI	N	0	140	140	0	0	140	0	1,103	0	1,103	0	175,428
NITROGLYCERIN	N	0	28,194	28,194	0	0	28,194	0	108,684	0	108,684	0	140,274
Total for ALLIANT TECHSYSTEMS OPERATIONS L		0	28,655	28,655	0	0	28,655	0	111,334	0	111,334	0	316,449

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
MONTGOMERY	BAE SYSTEMS, ORDNANCE SYSTEMS INC							RADFORD ARMY AMMUNITION PLANT 4050 NAHPSR				NAHPSR Code	325920
2,4-DINITROTOLUENE	N	0	0	0	0	0	0	0	0	7,223	7,223	0	0
AMMONIA	N	19,133	62	19,195	0	985	20,180	0	0	0	0	0	383
CHLORINE	N	0	0	0	0	0	0	0	0	0	0	0	0
COPPER COMPOUNDS	N	251	2,357	2,608	0	72	2,680	0	0	0	0	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	10,201,956	10,201,956	0	0	13,218	13,218	0	0
NITRIC ACID	N	698	628	1,326	908	0	2,234	0	27,090,211	10,201,956	37,292,167	0	0
NITROGLYCERIN	N	0	51,879	51,879	0	34,486	86,365	0	0	374,774	374,774	0	1
Total for BAE SYSTEMS, ORDNANCE SYSTEMS IN		20,082	54,925	75,007	908	10,237,500	10,313,415	0	27,090,211	10,597,170	37,687,381	0	385
MONTGOMERY	FEDERAL MOGUL POWERTRAIN LLC.							300 INDUSTRIAL PARK RD SE				NAICS Code	336350
ALUMINUM (FUME OR DUST)	N	79	7,890	7,969	0	0	7,969	0	0	0	0	0	165,567
AMMONIA	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER	N	1	72	72	0	0	72	0	0	0	0	0	15,588
Total for FEDERAL MOGUL POWERTRAIN LLC.		80	7,962	8,041	0	0	8,041	0	0	0	0	0	181,155
MONTGOMERY	PROCHEM, INC							5100 ENTERPRISE DR				NAICS Code	325998
BARIUM COMPOUNDS (EXCEPT FO	N	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
PERACETIC ACID	N	0	0	0	0	0	0	0	0	0	0	0	0
SODIUM DIMETHYLDITHIOCARBA	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for PROCHEM, INC		0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air	Stack Air	Total Air	Land	Water	Total On-Site Releases	Energy Recovery	Recycling	Treatment	Total On-Site Management	POTW	Total Other Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
MONTGOMERY WOLVERINE ADVANCED MATERIALS								3175 STATE ST				NAICS Code	332812
ETHYLENE GLYCOL	N	0	159	159	0	0	159	0	0	14,017	14,017	0	0
METHANOL	N	0	230	230	0	0	230	0	0	30,648	30,648	0	82
METHYL ISOBUTYL KETONE	N	0	1,376	1,376	0	0	1,376	0	0	193,286	193,286	0	26
METHYL ISOBUTYL KETONE	N	0	8,243	8,243	0	0	8,243	0	0	707,796	707,796	0	52
N,N-DIMETHYLFORMAMIDE	N	0	160	160	0	0	160	0	0	11,608	11,608	0	0
N-HEXANE	N	0	442	442	0	0	442	0	0	25,704	25,704	0	0
TOLUENE	N	0	27,219	27,219	0	0	27,219	0	0	1,962,903	1,962,903	0	2,935
TOLUENE	N	0	7,173	7,173	0	0	7,173	0	0	1,009,220	1,009,220	0	1,680
ZINC COMPOUNDS	N	0	2	2	0	1	3	0	0	0	0	0	0
ZINC COMPOUNDS	N	0	4	4	0	5	9	0	0	0	0	0	0
Total for WOLVERINE ADVANCED MATERIALS		0	45,006	45,006	0	6	45,013	0	0	3,955,182	3,955,182	0	4,775
Total for Above County : (27 reports)		20,161	136,549	156,710	908	10,237,506	10,395,124	0	27,201,545	14,552,352	41,753,897	0	502,764
NEWPORT NEWS (CITY) CANON VIRGINIA INC								12000 CANON BLVD				NAICS Code	334419
METHANOL	N	803	569	1,372	0	0	1,372	0	12,950	0	12,950	0	6,346
O-XYLENE	N	470	353	823	0	0	823	0	10,277	0	10,277	0	6,505
Total for CANON VIRGINIA INC		1,273	922	2,195	0	0	2,195	0	23,227	0	23,227	0	12,851
NEWPORT NEWS (CITY) HUNTINGTON INGALLS INC								4101 WASHINGTON AVE				NAICS Code	336611
COPPER COMPOUNDS	N	920	2	921	0	172	1,094	0	0	0	0	572	24,440
MANGANESE	N	854	0	854	0	105	958	0	0	0	0	49	52,846

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
N-BUTYL ALCOHOL	N	27,870	10,428	38,298	0	0	38,298	0	0	0	0	0	230
NICKEL	N	371	1	372	0	190	562	0	0	0	0	88	6,915
NONYLPHENOL	N	0	0	0	0	0	0	0	0	0	0	1	71
Total for HUNTINGTON INGALLS INC		30,014	10,430	40,444	0	467	40,912	0	0	0	0	710	84,503
NEWPORT NEWS (CITY) HUNTINGTON INGALLS INCORPORATED								4101 WASHINGTON AVE				NAICS Code	336611
1,2,4-TRIMETHYLBENZENE	N	197	17,415	17,613	0	0	17,613	0	0	0	0	0	1,429
CHROMIUM COMPOUNDS (EXCEPT	N	158	1	159	0	0	159	0	0	0	0	0	19,134
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	31,177
XYLENE (MIXED ISOMERS)	N	5,545	9,947	15,492	0	0	15,492	0	0	0	0	0	16,407
ZINC COMPOUNDS	N	122	15	137	0	0	137	0	0	0	0	0	4,881
Total for HUNTINGTON INGALLS INCORPORATED		6,022	27,378	33,400	0	0	33,400	0	0	0	0	0	73,028
NEWPORT NEWS (CITY) KINYO VIRGINIA INC								290 ENTERPRISE DR				NAICS Code	326299
TOLUENE	N	11,540	12,140	23,680	0	0	23,680	0	0	0	0	0	9,504
Total for KINYO VIRGINIA INC		11,540	12,140	23,680	0	0	23,680	0	0	0	0	0	9,504
NEWPORT NEWS (CITY) MARVA MAID DAIRY								5500 CHESTNUT AVE				NAICS Code	311511
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	30,926
NITRIC ACID	N	0	0	0	0	0	0	0	0	34,909	34,909	0	0
Total for MARVA MAID DAIRY		0	0	0	0	0	0	0	0	34,909	34,909	0	30,926
NEWPORT NEWS (CITY) MICA CO OF CANADA INC								900 JEFFERSON AVE				NAICS Code	327999
METHANOL	N	250	25,061	25,311	0	0	25,311	0	0	0	0	0	0

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
TOLUENE	N	250	12,226	12,476	0	0	12,476	0	0	0	0	0	0
Total for MICA CO OF CANADA INC		500	37,287	37,787	0	0	37,787	0	0	0	0	0	0
NEWPORT NEWS (CITY)								407 JEFFERSON AVENUE				NAICS Code	424710
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for PAPCO OIL COMPANY		0	0	0	0	0	0	0	0	0	0	0	0
NEWPORT NEWS (CITY)								700 SHIELDS RD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	237	0	237	0	0
Total for TCS MATERIALS NEWPORT NEWS		0	0	0	0	0	0	0	237	0	237	0	0
NEWPORT NEWS (CITY)								615 BLAND BLVD				NAICS Code	336310
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	70,312
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	4,394
Total for VITESCO TECHNOLOGIES USA, LLC		0	0	0	0	0	0	0	0	0	0	0	74,706
Total for Above County : (21 reports)		49,349	88,157	137,507	0	467	137,974	0	23,464	34,909	58,373	710	285,518
NORFOLK (CITY)								750 W BERKLEY AVE				NAICS Code	336611
CHROMIUM COMPOUNDS (EXCEPT	N	31	0	31	0	0	31	0	0	0	0	5	584
COPPER COMPOUNDS	N	998	0	998	0	0	998	0	0	0	0	0	124,173
N-BUTYL ALCOHOL	N	12,181	0	12,181	0	0	12,181	0	0	0	0	0	3,963
ZINC COMPOUNDS	N	349	0	349	0	68	417	0	0	0	0	113	45,719
Total for BAE SYSTEMS NORFOLK SHIP REPAIR		13,559	0	13,559	0	68	13,627	0	0	0	0	118	174,439

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NORFOLK (CITY)	CAPITAL CONCRETE INC.							400 STAPLETON ST				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	250	250	0	0	0	0	0	0
Total for CAPITAL CONCRETE INC.		0	0	0	0	250	250	0	0	0	0	0	0
NORFOLK (CITY)	COLONNA'S SHIPYARD INC							400 E INDIAN RIVER RD				NAICS Code	336611
N-BUTYL ALCOHOL	N	6,309	0	6,309	0	0	6,309	0	0	0	0	0	1,777
XYLENE (MIXED ISOMERS)	N	17,830	0	17,830	0	0	17,830	0	0	0	0	0	4,249
Total for COLONNA'S SHIPYARD INC		24,139	0	24,139	0	0	24,139	0	0	0	0	0	6,026
NORFOLK (CITY)	US NAVY NAVAL STATION NORFOLK							1530 GILBERT STREET SUITE 2000				NAICS Code	928110
NAPHTHALENE	N	58	12	71	0	979	1,050	0	0	0	0	0	33
Total for US NAVY NAVAL STATION NORFOLK		58	12	71	0	979	1,050	0	0	0	0	0	33
Total for Above County : (8 reports)		37,756	12	37,769	0	1,297	39,066	0	0	0	0	118	180,497
NORTHUMBERLAND	CARRY-ON TRAILER CORP							617 HARRY HOGAN RD				NAICS Code	336212
MANGANESE	N	13	0	13	0	0	13	0	0	0	0	0	309
Total for CARRY-ON TRAILER CORP		13	0	13	0	0	13	0	0	0	0	0	309
NORTHUMBERLAND	OMEGA PROTEIN CORPORATION							610 MENHADEN RD				NAICS Code	311710
AMMONIA	N	0	56,429	56,429	0	535	56,964	0	0	0	0	0	0
Total for OMEGA PROTEIN CORPORATION		0	56,429	56,429	0	535	56,964	0	0	0	0	0	0
Total for Above County : (2 reports)		13	56,429	56,442	0	535	56,977	0	0	0	0	0	309
NOTTOWAY	TYSON FARMS INC. - FEED MILL							1938 PATRICK HENRY HWY				NAICS Code	311119

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2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for TYSON FARMS INC. - FEED MILL		0	0	0	0	0	0	0	0	0	0	0	0
NOTTOWAY		US ARMY NATIONAL GUARD FORT PICKETT (RANGES)						US PFO BUILDING 316 FORT PICKETT				NAICS Code	928110
COPPER	N	0	0	0	65,988	0	65,988	0	0	0	0	0	0
Total for US ARMY NATIONAL GUARD FORT PICK		0	0	0	65,988	0	65,988	0	0	0	0	0	0
Total for Above County : (2 reports)		0	0	0	65,988	0	65,988	0	0	0	0	0	0
PATRICK		MICROMETRICS SYSTEM						225 JEB STUART HWY				NAICS Code	332710
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
PROPYLENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MICROMETRICS SYSTEM		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (2 reports)		0	0	0	0	0	0	0	0	0	0	0	0
PETERSBURG (CITY)		AMPAC FINE CHEMICALS VIRGINIA LLC						2820 N NORMANDY DRIVE				NAICS Code	325411
ACETONITRILE	N	3	248	250	0	0	250	0	0	0	0	0	155,765
METHANOL	N	9	579	588	0	0	588	0	0	0	0	0	252,893
METHYL TERT-BUTYL ETHER	N	1	216	217	0	0	217	0	0	0	0	0	83,869
Total for AMPAC FINE CHEMICALS VIRGINIA LLC		12	1,042	1,054	0	0	1,054	0	0	0	0	0	492,526
PETERSBURG (CITY)		AMPAC FINE CHEMICALS VIRGINIA, LLC						2820 N NORMANDY DRIVE				NAICS Code	325411
DICHLOROMETHANE	N	1	754	755	0	0	755	0	0	0	0	0	57,077
Total for AMPAC FINE CHEMICALS VIRGINIA, LLC		1	754	755	0	0	755	0	0	0	0	0	57,077

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
PETERSBURG (CITY)	AMSTED RAIL CO INC							2580 FRONTAGE RD				NAICS Code	332111
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	67,173
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	30,538
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	95,464
NICKEL	N	0	0	0	0	0	0	0	0	0	0	35	67,629
Total for AMSTED RAIL CO INC		0	1	1	0	0	1	0	0	0	0	35	260,804
PETERSBURG (CITY)	BLEACHTECH LLC							2020 BESSEMER RD				NAICS Code	325180
CHLORINE	N	5	0	5	0	0	5	0	0	0	0	0	0
HYDROCHLORIC ACID (ACID AERO	N	5	5	10	0	0	10	0	0	0	0	0	0
Total for BLEACHTECH LLC		10	5	15	0	0	15	0	0	0	0	0	0
PETERSBURG (CITY)	BOAR'S HEAD PROVISIONS CO., INC. - PETERSBURG							1950 INDUSTRY PLACE				NAICS Code	311612
AMMONIA	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for BOAR'S HEAD PROVISIONS CO., INC. - P		0	0	0	0	0	0	0	0	0	0	0	0
PETERSBURG (CITY)	DOMINION CHEMICAL CO INC							2050 PUDDLEDock RD				NAICS Code	325998
METHANOL	N	250	250	500	0	0	500	0	0	0	0	0	0
Total for DOMINION CHEMICAL CO INC		250	250	500	0	0	500	0	0	0	0	0	0
PETERSBURG (CITY)	PRE CON INC							220 S PERRY ST				NAICS Code	313320
CYCLOHEXANE	N	1	232	233	0	0	233	0	0	2,041	2,041	0	15,671
Total for PRE CON INC		1	232	233	0	0	233	0	0	2,041	2,041	0	15,671
PETERSBURG (CITY)	VALMONT-VIRGINIA GALVANIZING INC							3535 HALIFAX RD				NAICS Code	332812

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2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ZINC COMPOUNDS	N	27	5	32	0	747	779	0	0	0	0	0	15,617
Total for VALMONT-VIRGINIA GALVANIZING INC		27	5	32	0	747	779	0	0	0	0	0	15,617
Total for Above County : (14 reports)		301	2,288	2,590	0	747	3,337	0	0	2,041	2,041	35	841,695
PITTSYLVANIA ARKEMA INC								601 TIGHTSQUEEZE IND US TRIAL RD				NAICS Code	325211
ACRYLIC ACID	N	1,500	250	1,750	0	0	1,750	0	0	417,000	417,000	0	0
BUTYL ACRYLATE	N	250	250	500	0	0	500	0	0	1,160	1,160	0	13,780
CERTAIN GLYCOL ETHERS	N	5	5	10	0	0	10	0	0	4,200	4,200	0	500
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
HYDROQUINONE	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHYL METHACRYLATE	N	250	250	500	0	0	500	0	0	660	660	0	1,750
PHTHALIC ANHYDRIDE	N	5	250	255	0	0	255	0	0	260	260	0	3,300
TOLUENE	N	2,200	750	2,950	0	0	2,950	0	1,060,000	28,900	1,088,900	0	568,750
TOLUENE DIISOCYANATE (MIXED I	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	5	5	10	0	0	10	0	0	7	7	0	19,000
Total for ARKEMA INC		4,215	1,760	5,975	0	0	5,975	0	1,060,000	452,187	1,512,187	0	607,080
PITTSYLVANIA COLUMBIA FOREST PRODUCTS								100 PAUL RD SW				NAICS Code	321211
CERTAIN GLYCOL ETHERS	N	20,932	0	20,932	0	0	20,932	0	0	0	0	0	0
Total for COLUMBIA FOREST PRODUCTS		20,932	0	20,932	0	0	20,932	0	0	0	0	0	0
PITTSYLVANIA DANCHEM TECHNOLOGIES INC								1975 OLD RICHMOND RD				NAICS Code	325199
ANTIMONY COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
BUTYL ACRYLATE	Y	0	0	0	0	0	0	0	0	0	0	0	0
COBALT COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
DICAMBA	Y	0	0	0	0	0	0	0	0	0	0	0	0
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLENE GLYCOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
MALEIC ANHYDRIDE	N	151	1	152	0	0	152	0	0	0	0	0	0
M-CRESOL	N	3,809	3	3,812	0	0	3,812	0	0	0	0	0	135,078
N-BUTYL ALCOHOL	N	4,367	49	4,416	0	0	4,416	0	1,980,650	0	1,980,650	0	176,497
PHENOL	N	0	0	0	0	0	0	0	0	0	0	0	651
TOLUENE	N	1,758	830	2,588	0	0	2,588	0	0	15,595	15,595	1	180,376
Total for DANCHEM TECHNOLOGIES INC		10,085	883	10,968	0	0	10,968	0	1,980,650	15,595	1,996,245	1	492,601
PITTSYLVANIA INTERTAPE POLYMER CORP								1101 EAGLE SPRINGS RD				NAICS Code	326113
TOLUENE	N	5,020	57,724	62,744	0	0	62,744	0	2,357,503	0	2,357,503	0	0
Total for INTERTAPE POLYMER CORP		5,020	57,724	62,744	0	0	62,744	0	2,357,503	0	2,357,503	0	0
PITTSYLVANIA JTI LEAF SERVICES (US) LLC								202 STINSON DRIVE				NAICS Code	312230
AMMONIA	N	661	2,674	3,335	0	0	3,335	0	0	0	0	690	414
NICOTINE AND SALTS	N	11,600	24,984	36,584	0	0	36,584	0	0	0	0	2,307	1,483
Total for JTI LEAF SERVICES (US) LLC		12,261	27,658	39,919	0	0	39,919	0	0	0	0	2,997	1,897
PITTSYLVANIA POLYNT COMPOSITES USA INC.								920 TIGHTSQUEEZE IND US TRIAL RD				NAICS Code	325211

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
1,2,4-TRIMETHYLBENZENE	N	0	1	1	0	0	1	0	0	0	0	0	1,214
DICYCLOPENTADIENE	N	152	309	461	0	0	461	0	0	0	0	0	4,594
ETHYLBENZENE	N	0	0	0	0	0	0	0	0	0	0	0	6,975
ETHYLENE GLYCOL	N	219	82	300	0	0	300	0	0	0	0	0	32,319
MALEIC ANHYDRIDE	N	248	922	1,170	0	0	1,170	0	0	0	0	0	159
METHANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHYL METHACRYLATE	Y	0	0	0	0	0	0	0	0	0	0	0	0
PHTHALIC ANHYDRIDE	N	101	313	414	0	0	414	0	0	0	0	0	159
STYRENE	N	559	895	1,454	0	0	1,454	0	0	0	0	602	18,246
Total for POLYNT COMPOSITES USA INC.		1,279	2,523	3,801	0	0	3,801	0	0	0	0	602	63,666
PITTSYLVANIA								200 TOY LANE				NAICS Code	339999
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for WOODWICK CANDLE		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (36 reports)		53,792	90,548	144,340	0	0	144,340	0	5,398,153	467,782	5,865,935	3,600	1,165,244
PORTSMOUTH (CITY)								3230 W NORFOLK RD				NAICS Code	325199
3-CHLORO-2-METHYL-1-PROPENE	N	47	0	47	0	0	47	0	0	18	18	0	0
ALLYL CHLORIDE	N	167	5	172	0	0	172	0	0	225	225	0	0
ALLYLAMINE	N	164	960	1,124	0	0	1,124	0	0	47,040	47,040	0	0
AMMONIA	N	46	0	46	0	0	46	0	0	0	0	0	4
Total for U.S. AMINES (PORTSMOUTH) LLC		424	965	1,389	0	0	1,389	0	0	47,283	47,283	0	4

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
PORTSMOUTH (CITY)	U.S. NAVY NORFOLK NAVAL SHIPYARD							INTERSECTION OF EFFINGHAM ST & GEORGETOWN RD				NAICS Code	928110
XYLENE (MIXED ISOMERS)	N	20,000	3,400	23,400	0	0	23,400	0	0	0	0	0	6,570
Total for U.S. NAVY NORFOLK NAVAL SHIPYARD		20,000	3,400	23,400	0	0	23,400	0	0	0	0	0	6,570
PORTSMOUTH (CITY)	US NAVY DEFENSE FUEL SUPPORT POINT CRANEY ISLAND							4501 CEDAR LN BLDG 288				NAICS Code	928110
NAPHTHALENE	N	896	0	896	0	6	902	0	121,761	0	121,761	0	25,556
Total for US NAVY DEFENSE FUEL SUPPORT POI		896	0	896	0	6	902	0	121,761	0	121,761	0	25,556
Total for Above County : (6 reports)		21,320	4,365	25,685	0	6	25,691	0	121,761	47,283	169,044	0	32,130
PRINCE GEORGE	NUCOR INSULATED PANEL GROUP							6001 QUALITY WAY				NAICS Code	332311
DIISOCYANATES	N	5,220	0	5,220	0	0	5,220	0	0	0	0	0	0
NONYLPHENOL ETHOXYLATES	N	7,880	0	7,880	0	0	7,880	0	0	0	0	0	0
Total for NUCOR INSULATED PANEL GROUP		13,100	0	13,100	0	0	13,100	0	0	0	0	0	0
Total for Above County : (2 reports)		13,100	0	13,100	0	0	13,100	0	0	0	0	0	0
PRINCE WILLIAM	MANASSAS READY MIX CONCRETE							7310 OLD COMPTON RD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MANASSAS READY MIX CONCRETE		0	0	0	0	0	0	0	0	0	0	0	0
PRINCE WILLIAM	MICRON TECHNOLOGY INC.							9600 GODWIN DR				NAICS Code	334413
AMMONIA	N	450	26,000	26,450	0	86	26,536	0	0	14,000	14,000	39,000	39,000
FLUORINE	N	0	11,000	11,000	0	0	11,000	0	0	130,000	130,000	0	0
HYDROGEN FLUORIDE	N	0	7,000	7,000	0	0	7,000	0	0	1,100,000	1,100,000	0	0

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	130,000	130,071
NITRIC ACID	N	0	130	130	0	0	130	0	0	130,000	130,000	0	1
N-METHYL-2-PYRROLIDONE	N	0	92	92	0	0	92	0	0	1,200	1,200	0	25,000
OZONE	N	0	140	140	0	0	140	0	0	140,000	140,000	0	0
PROPYLENE	N	0	10,000	10,000	0	0	10,000	0	0	0	0	0	0
SULFURIC ACID (ACID AEROSOLS I	N	0	700	700	0	0	700	0	0	110,000	110,000	0	0
Total for MICRON TECHNOLOGY INC.		450	55,062	55,512	0	86	55,598	0	0	1,625,200	1,625,200	169,000	194,072
PRINCE WILLIAM		POSSUM POINT POWER STATION						19000 POSSUM POINT RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	360	360	0	7,510	7,870	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for POSSUM POINT POWER STATION		0	360	360	0	7,510	7,870	0	0	0	0	0	0
PRINCE WILLIAM		QUARLES PETROLEUM INC. MANASSAS BULK PLANT						8001 WELLINGFORD DR				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUARLES PETROLEUM INC. MANASSAS		0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
PRINCE WILLIAM US MARINE CORPS BASE QUANTICO RANGE COMPLEX								3250 CATLIN AVE				NAICS Code	928110
1,2,4-TRIMETHYLBENZENE	N	2	0	2	0	0	2	0	0	0	0	0	0
BENZENE	N	161	65	226	0	0	226	0	0	0	0	0	0
COPPER	N	0	0	0	37,837	0	37,838	0	0	0	0	0	0
ETHYLBENZENE	N	33	5	38	0	0	38	0	0	0	0	0	0
NAPHTHALENE	N	4	0	4	0	0	4	0	0	0	0	0	0
N-HEXANE	N	14	520	534	0	0	534	0	0	0	0	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	24,497	24,497	0	0	0	0	0	0
PHOSPHORUS (YELLOW OR WHITE	N	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	N	991	75	1,066	0	0	1,066	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	360	26	386	0	0	386	0	0	0	0	0	0
Total for US MARINE CORPS BASE QUANTICO RA		1,564	692	2,256	37,837	24,497	64,590	0	0	0	0	0	0
PRINCE WILLIAM VIRGINIA CONCRETE DUMFRIES PLANT								217 CANAL RD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	137	137	0	0	0	0	0	0
Total for VIRGINIA CONCRETE DUMFRIES PLANT		0	0	0	0	137	137	0	0	0	0	0	0
PRINCE WILLIAM VIRGINIA CONCRETE GAINESVILLE PLANT								7300 RAIL LINE CT				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	64	64	0	0	0	0	0	0
Total for VIRGINIA CONCRETE GAINESVILLE PLA		0	0	0	0	64	64	0	0	0	0	0	0
Total for Above County : (31 reports)		2,014	56,114	58,128	37,837	32,294	128,259	0	0	1,625,200	1,625,200	169,000	194,072
PULASKI BOND COTE CORP								509 BURGIS AVE				NAICS Code	313320

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ANTIMONY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	17,655
BARIUM COMPOUNDS (EXCEPT FO	N	0	0	0	0	0	0	0	0	0	0	0	26
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	191
Total for BOND COTE CORP		0	0	0	0	0	0	0	0	0	0	0	17,872
PULASKI		CONN-WELD INDUSTRIES LLC						NEW BERN RD STATE RD 682				NAICS Code	333131
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONN-WELD INDUSTRIES LLC		0	0	0	0	0	0	0	0	0	0	0	0
PULASKI		IMPERIAL GROUP MANUFACTURING INC						4969 STEPP PLACE				NAICS Code	332322
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for IMPERIAL GROUP MANUFACTURING INC		0	0	0	0	0	0	0	0	0	0	0	0
PULASKI		JAMES HARDIE BUILDING PRODUCTS PULASKI						1000 JAMES HARDIE WAY				NAICS Code	327390
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for JAMES HARDIE BUILDING PRODUCTS P		0	0	0	0	0	0	0	0	0	0	0	0
PULASKI		MAR-BAL, INC.						5400 RESERVE WAY				NAICS Code	326199
STYRENE	N	0	3,111	3,111	0	0	3,111	0	0	0	0	0	1,376
Total for MAR-BAL, INC.		0	3,111	3,111	0	0	3,111	0	0	0	0	0	1,376
PULASKI		VOLVO GROUP NORTH AMERICA, LLC						4881 COUGAR TRAIL ROAD				NAICS Code	336120

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
DIISOCYANATES	N	126	6	132	0	0	132	0	0	408	408	0	80
ETHYLBENZENE	N	502	1,700	2,202	0	0	2,202	0	0	20,422	20,422	0	69,619
ETHYLENE GLYCOL	N	0	0	0	0	0	0	0	0	0	0	0	13,761
METHANOL	N	32	134	166	0	0	166	0	0	8	8	0	438
N-BUTYL ALCOHOL	N	81	11,254	11,335	0	0	11,335	0	0	134,754	134,754	0	464,079
NITRIC ACID	N	0	24	24	0	0	24	0	0	46,081	46,081	0	0
XYLENE (MIXED ISOMERS)	N	1,340	11,248	12,588	0	0	12,588	0	0	134,587	134,587	0	464,244
Total for VOLVO GROUP NORTH AMERICA, LLC		2,081	24,366	26,447	0	0	26,447	0	0	336,260	336,260	0	1,012,221
Total for Above County : (17 reports)		2,081	27,477	29,558	0	0	29,558	0	0	336,260	336,260	0	1,031,469
RICHMOND		MONDELEZ GLOBAL LLC						6002 S LABURNUM AVE				NAICS Code	311821
AMMONIA	N	0	111,376	111,376	0	0	111,376	0	0	0	0	0	0
Total for MONDELEZ GLOBAL LLC		0	111,376	111,376	0	0	111,376	0	0	0	0	0	0
RICHMOND		QPI WARSAW BULK PLANT						11549 HISTORYLAND HWY				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QPI WARSAW BULK PLANT		0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
RICHMOND	RIVER POOLS AND SPAS							196 SELFTOWN RD				NAICS Code	326199
METHYL METHACRYLATE	N	318	955	1,273	0	0	1,273	0	0	0	0	0	0
STYRENE	N	3,926	11,777	15,703	0	0	15,703	0	0	0	0	0	0
Total for RIVER POOLS AND SPAS		4,244	12,732	16,976	0	0	16,976	0	0	0	0	0	0
RICHMOND	STELLA-JONES CORP							15939 HISTORY LAND HWY				NAICS Code	321114
ARSENIC COMPOUNDS	N	0	4	4	0	18	21	0	0	0	0	0	0
CHROMIUM COMPOUNDS (EXCEPT	N	0	4	4	0	26	30	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	8	8	0	23	31	0	0	0	0	0	0
Total for STELLA-JONES CORP		0	15	15	0	67	82	0	0	0	0	0	0
Total for Above County : (12 reports)		4,244	124,123	128,367	0	67	128,434	0	0	0	0	0	0
RICHMOND (CITY)	CARPENTER CO RICHMOND PLANT							2400 JEFFERSON DAVIS HWY				NAICS Code	326150
DIISOCYANATES	N	27	510	536	0	0	536	0	0	0	0	0	1,382
ETHYLENE GLYCOL	N	1	9	10	0	0	10	0	0	0	0	0	0
TOLUENE DIISOCYANATE (MIXED I	N	22	425	448	0	0	448	0	0	0	0	0	11,243
Total for CARPENTER CO RICHMOND PLANT		50	944	994	0	0	994	0	0	0	0	0	12,625
RICHMOND (CITY)	KINDER MORGAN TRANSMIX COMPANY, LLC							3302 DEEPWATER TERMINAL RD				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	N	126	0	126	0	0	127	0	0	9	9	0	1
BENZENE	N	110	12	122	0	0	122	0	0	262	262	0	1
CUMENE	N	8	0	8	0	0	8	0	0	3	3	0	0
ETHYLBENZENE	N	31	1	32	0	0	32	0	0	19	19	0	1

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
N-HEXANE	N	91	9	100	0	0	100	0	0	235	235	0	0
TOLUENE	N	233	15	248	0	1	249	0	0	296	296	0	3
XYLENE (MIXED ISOMERS)	N	290	5	295	0	1	296	0	0	121	121	0	3
Total for KINDER MORGAN TRANSMIX COMPANY,		888	42	930	0	3	933	0	0	946	946	0	8
RICHMOND (CITY) PHILIP MORRIS USA COMMERCE ROAD SITE								3601 COMMERCE RD				NAICS Code	312230
NICOTINE AND SALTS	N	102	8,990	9,092	0	0	9,092	0	0	83,746	83,746	0	169,813
Total for PHILIP MORRIS USA COMMERCE ROAD		102	8,990	9,092	0	0	9,092	0	0	83,746	83,746	0	169,813
RICHMOND (CITY) RECO BIODIESEL, LLC								710 HOSPITAL ST				NAICS Code	325199
METHANOL	N	250	750	1,000	0	0	1,000	0	661,342	0	661,342	255,040	0
Total for RECO BIODIESEL, LLC		250	750	1,000	0	0	1,000	0	661,342	0	661,342	255,040	0
RICHMOND (CITY) UPACO ADHESIVES INC								4105 CASTLEWOOD RD				NAICS Code	325520
TOLUENE	N	2,543	2,543	5,086	0	0	5,086	0	0	0	0	0	2,100
XYLENE (MIXED ISOMERS)	N	1,390	1,390	2,780	0	0	2,780	0	0	0	0	0	1,080
Total for UPACO ADHESIVES INC		3,933	3,933	7,866	0	0	7,866	0	0	0	0	0	3,180
Total for Above County : (14 reports)		5,223	14,659	19,882	0	3	19,885	0	661,342	84,692	746,034	255,040	185,626
ROANOKE CARDINAL GLASS								2132 CARDINAL PARK DR				NAICS Code	327215
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	25,177
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	9,610
Total for CARDINAL GLASS		0	0	0	0	0	0	0	0	0	0	0	34,787

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Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
ROANOKE CARGILL FEED & NUTRITION ROANOKE								1003 WALNUT AVE				NAICS Code	311119
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CARGILL FEED & NUTRITION ROANOKE		0	0	0	0	0	0	0	0	0	0	0	0
ROANOKE GRAHAM-WHITE MANUFACTURING CO.								1242 COLORADO ST				NAICS Code	336510
COPPER	N	22	0	22	0	0	22	0	0	0	0	0	4,935
Total for GRAHAM-WHITE MANUFACTURING CO.		22	0	22	0	0	22	0	0	0	0	0	4,935
ROANOKE KIK (VIRGINIA) LLC								27 MILL LN				NAICS Code	325612
CHLORINE	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for KIK (VIRGINIA) LLC		1	0	1	0	0	1	0	0	0	0	0	0
ROANOKE KOPPERS INC (ROANOKE)								4020 KOPPERS RD				NAICS Code	321114
CREOSOTE	N	1,100	790	1,890	0	1	1,891	0	370,000	50	370,050	0	19,600
Total for KOPPERS INC (ROANOKE)		1,100	790	1,890	0	1	1,891	0	370,000	50	370,050	0	19,600
ROANOKE MEDECO SECURITY LOCKS INC.								3625 ALLEGHENY DR				NAICS Code	332510
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	502,682
ZINC (FUME OR DUST)	N	0	1	1	0	0	1	0	0	0	0	0	27,455
Total for MEDECO SECURITY LOCKS INC.		0	1	1	0	0	1	0	0	0	0	0	530,137
ROANOKE MENNEL MILLING CO OF VIRGINIA								5185 BENOIS RD				NAICS Code	311211
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for MENNEL MILLING CO OF VIRGINIA		0	0	0	0	0	0	0	0	0	0	0	0
ROANOKE NEW MILLENNIUM BUILDING SYSTEMS								100 DIUGUIDS LANE				NAICS Code	332312
CERTAIN GLYCOL ETHERS	N	44,220	0	44,220	0	0	44,220	0	0	0	0	0	0
MANGANESE	N	228	0	228	0	0	228	0	0	0	0	0	159,349
NICKEL	N	1	0	1	0	0	1	0	0	0	0	0	23,064
Total for NEW MILLENNIUM BUILDING SYSTEMS		44,449	0	44,449	0	0	44,449	0	0	0	0	0	182,413
ROANOKE NOVOZYMES								420 KESLER MILL RD				NAICS Code	325414
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	20
Total for NOVOZYMES		0	0	0	0	0	0	0	0	0	0	0	20
ROANOKE SAFETY-KLEEN SYSTEMS VINTON (ROA)								16090 STEWARTSVILLE RD				NAICS Code	562112
ETHYLENE GLYCOL	N	1	0	1	0	0	1	0	0	0	0	0	71,407
Total for SAFETY-KLEEN SYSTEMS VINTON (ROA)		1	0	1	0	0	1	0	0	0	0	0	71,407
ROANOKE TECTON PRODUCTS LLC								5415 CORPORATE CIR				NAICS Code	326199
STYRENE	N	0	969	969	0	0	969	0	0	50,149	50,149	0	100
Total for TECTON PRODUCTS LLC		0	969	969	0	0	969	0	0	50,149	50,149	0	100
ROANOKE VIRGINIA TRANSFORMER CORP.								220 GLADE VIEW DR NE				NAICS Code	335311
XYLENE (MIXED ISOMERS)	N	6,464	1,700	8,164	0	0	8,164	0	1,000	0	1,000	0	0
Total for VIRGINIA TRANSFORMER CORP.		6,464	1,700	8,164	0	0	8,164	0	1,000	0	1,000	0	0
ROANOKE YOKOHAMA TIRE MANUFACTURING VIRGINIA LLC								1500 INDIANA ST				NAICS Code	326211
ZINC COMPOUNDS	N	3,957	0	3,957	0	0	3,957	0	0	0	0	18	16,708

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for YOKOHAMA TIRE MANUFACTURING VIR		3,957	0	3,957	0	0	3,957	0	0	0	0	18	16,708
Total for Above County : (19 reports)		55,994	3,459	59,453	0	1	59,454	0	371,000	50,199	421,199	18	860,106
ROANOKE (CITY)		AKZO NOBEL COATINGS INC						2837 ROANOKE AVE SW				NAICS Code	325510
1,2,4-TRIMETHYLBENZENE	N	6,522	0	6,522	0	0	6,522	0	0	0	0	0	3,527
ETHYLBENZENE	N	5,121	26	5,147	0	0	5,147	0	0	0	0	0	2,131
METHANOL	N	3,228	146	3,374	0	0	3,374	0	0	0	0	0	7,938
METHYL ISOBUTYL KETONE	N	1,395	0	1,395	0	0	1,395	0	0	0	0	0	3,527
N-BUTYL ALCOHOL	N	8,518	0	8,518	0	0	8,518	0	0	0	0	0	9,166
TOLUENE	N	6,008	86	6,094	0	0	6,094	0	0	0	0	0	14,806
XYLENE (MIXED ISOMERS)	N	23,424	60	23,484	0	0	23,484	0	0	0	0	0	21,855
Total for AKZO NOBEL COATINGS INC		54,216	318	54,534	0	0	54,534	0	0	0	0	0	62,950
ROANOKE (CITY)		CHEMSOLV INC						1140 INDUSTRY AVE SE				NAICS Code	424690
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	Y	0	0	0	0	0	0	0	0	0	0	0	0
BUTYL ACRYLATE	Y	0	0	0	0	0	0	0	0	0	0	0	0
CERTAIN GLYCOL ETHERS	N	36	0	36	0	0	36	0	0	0	0	0	0
CYCLOHEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
DICHLOROMETHANE	N	553	0	553	0	0	553	0	0	0	0	0	0
ETHYLENE GLYCOL	N	12	1	13	0	0	13	0	0	0	0	0	413
FORMALDEHYDE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
FORMIC ACID	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHANOL	N	79	479	558	0	0	558	0	0	0	0	0	0
METHYL ISOBUTYL KETONE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-BUTYL ALCOHOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NITRIC ACID	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-METHYL-2-PYRROLIDONE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NONYLPHENOL ETHOXYLATES	N	0	0	0	0	0	0	0	0	0	0	0	855
TOLUENE	N	160	352	512	0	0	512	0	0	0	0	0	253
XYLENE (MIXED ISOMERS)	N	48	41	89	0	0	89	0	0	0	0	0	0
Total for CHEMSOLV INC		888	873	1,761	0	0	1,761	0	0	0	0	0	1,521
ROANOKE (CITY) STEEL DYNAMICS INC ROANOKE BAR DIV								102 WESTSIDE BLVD				NAICS Code	331110
CHROMIUM COMPOUNDS (EXCEPT	N	12	32	44	0	0	44	0	0	0	0	0	58,924
COPPER COMPOUNDS	N	2	36	38	0	237	275	0	0	0	0	0	50,269
MANGANESE COMPOUNDS	N	118	962	1,080	0	0	1,080	0	0	0	0	0	369,204
NICKEL COMPOUNDS	N	1	4	5	0	0	5	0	0	0	0	0	5,174
ZINC COMPOUNDS	N	29	1,860	1,889	0	253	2,142	0	0	0	0	0	3,226,439
Total for STEEL DYNAMICS INC ROANOKE BAR DI		162	2,894	3,056	0	490	3,546	0	0	0	0	0	3,710,010
ROANOKE (CITY) TRIVIUM PACKAGING USA INC								5022 HOLLINS RD				NAICS Code	332431
COPPER	N	0	0	0	0	5	5	0	0	0	0	4	11,003
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	8	72,003

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for TRIVIUM PACKAGING USA INC		0	0	0	0	5	5	0	0	0	0	12	83,006
ROANOKE (CITY)	TRIVIUM PACKAGING USA, INC							5022 HOLLINS RD				NAICS Code	332431
CERTAIN GLYCOL ETHERS	N	2,500	3,300	5,800	0	0	5,800	0	0	180,000	180,000	0	6,200
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	64,019
N-BUTYL ALCOHOL	N	0	18,000	18,000	0	0	18,000	0	0	980,000	980,000	0	16,292
Total for TRIVIUM PACKAGING USA, INC		2,500	21,300	23,800	0	0	23,800	0	0	1,160,000	1,160,000	0	86,511
Total for Above County : (35 reports)		57,766	25,385	83,151	0	495	83,646	0	0	1,160,000	1,160,000	12	3,943,998
ROCKBRIDGE	MODINE MANUFACTURING CO							1221 MAGNOLIA AVE				NAICS Code	333414
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	31,529
COPPER	N	4	17	21	0	0	21	0	0	0	0	0	1,209
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	4,624
Total for MODINE MANUFACTURING CO		4	17	21	0	0	21	0	0	0	0	0	37,362
ROCKBRIDGE	MUNTERS							225 S MAGNOLIA AVE				NAICS Code	333415
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	17,409
COPPER	N	0	0	0	0	5	5	0	0	0	0	0	1,629
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	15,124
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	22,096
ZINC COMPOUNDS	N	0	0	0	0	5	5	0	0	0	0	0	32,345
Total for MUNTERS		0	0	0	0	10	10	0	0	0	0	0	88,603

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
ROCKBRIDGE	MUNTERS CORP							43 DOUGLAS WAY				NAICS Code	333415
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	2,722
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	2,840
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	3,536
Total for MUNTERS CORP		0	0	0	0	0	0	0	0	0	0	0	9,098
ROCKBRIDGE	STELLA JONES CORP-GOSHEN FACILITY							9223 MAURY RIVER RD				NAICS Code	321114
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CREOSOTE	N	4,318	3,227	7,545	0	10	7,555	0	0	0	0	0	17,515
Total for STELLA JONES CORP-GOSHEN FACILIT		4,318	3,227	7,545	0	10	7,555	0	0	0	0	0	17,515
Total for Above County : (14 reports)		4,322	3,244	7,566	0	20	7,586	0	0	0	0	0	152,578
ROCKINGHAM	CARGILL MEAT SOLUTIONS INC							135 HUFFMAN DR				NAICS Code	311615
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	34,249
NITRIC ACID	N	0	0	0	0	0	0	0	0	24,373	24,373	0	0
PERACETIC ACID	N	0	0	0	0	0	0	0	0	170,912	170,912	0	0
Total for CARGILL MEAT SOLUTIONS INC		0	0	0	0	0	0	0	0	195,285	195,285	0	34,249
ROCKINGHAM	GEORGE'S FOODS, LLC. PROCESSING PLANT							501 N LIBERTY ST				NAICS Code	311615
PERACETIC ACID	N	804	0	804	0	0	804	0	0	159,983	159,983	0	80
Total for GEORGE'S FOODS, LLC. PROCESSING P		804	0	804	0	0	804	0	0	159,983	159,983	0	80
ROCKINGHAM	MERCK SHARP & DOHME CORP.							2778 SE SIDE HWY				NAICS Code	325412

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ACETONITRILE	N	1,091	199	1,290	0	0	1,290	0	0	4,148	4,148	0	64,221
ETHYLENE GLYCOL	N	1	0	1	0	0	1	0	0	6,882	6,882	0	714
METHANOL	N	2,994	2,729	5,723	0	0	5,723	0	53,856	154,251	208,107	0	171,426
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	55,394	55,394	0	0
Total for MERCK SHARP & DOHME CORP.		4,086	2,928	7,014	0	0	7,014	0	53,856	220,675	274,531	0	236,361
ROCKINGHAM MOLSON COORS SHENANDOAH BREWERY								5135 S EASTSIDE HWY				NAICS Code	312120
AMMONIA	N	843	1,238	2,081	22,588	139	24,808	0	0	22,588	22,588	0	0
NITRATE COMPOUNDS (WATER DI	N	737	0	737	4,126	6,667	11,530	0	0	0	0	0	0
NITRIC ACID	N	0	0	0	0	5	5	0	0	28,507	28,507	0	0
Total for MOLSON COORS SHENANDOAH BREWE		1,580	1,238	2,818	26,714	6,811	36,343	0	0	51,095	51,095	0	0
ROCKINGHAM PILGRIM'S PRIDE CORP BROADWAY FACILITY								330 CO-OP DR				NAICS Code	311615
AMMONIA	N	0	0	0	0	0	0	0	0	0	0	0	27,588
PERACETIC ACID	N	3,377	0	3,377	0	0	3,377	0	0	163,783	163,783	1,688	1,688
Total for PILGRIM'S PRIDE CORP BROADWAY FA		3,377	0	3,377	0	0	3,377	0	0	163,783	163,783	1,688	29,276
ROCKINGHAM VALLEY PROTEINS INC LINVILLE FACILITY								6230 KRATZER RD				NAICS Code	311613
CHLORINE DIOXIDE	N	0	0	0	17,500	0	17,500	0	0	0	0	0	0
Total for VALLEY PROTEINS INC LINVILLE FACILI		0	0	0	17,500	0	17,500	0	0	0	0	0	0
ROCKINGHAM VPGC LLC BROADWAY FEEDMIL								410 S MAIN ST				NAICS Code	311119
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for VPGC LLC BROADWAY FEEDMIL		0	0	0	0	0	0	0	0	0	0	0	0
ROCKINGHAM								6349 RAWLEY PIKE HWY 33 WE				NAICS Code	311615
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	67,412	67,412	0	0	406,971	406,971	0	0
Total for VPGC LLC HINTON FACILITY		0	0	0	0	67,412	67,412	0	0	406,971	406,971	0	0
ROCKINGHAM								6364 S VALLEY PIKE				NAICS Code	311511
AMMONIA	N	0	0	0	0	0	0	0	0	0	0	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	29,446
NITRIC ACID	N	0	0	0	0	0	0	0	0	360,480	360,480	0	0
Total for WWF OPERATING CO		0	0	0	0	0	0	0	0	360,480	360,480	0	29,446
Total for Above County : (21 reports)		9,847	4,166	14,013	44,214	74,223	132,450	0	53,856	1,558,272	1,612,128	1,688	329,412
RUSSELL								58 SAMUEL WAY				NAICS Code	332420
MANGANESE	N	86	0	86	0	13	99	0	0	0	0	0	12,553
Total for SAMUEL SON & COMPANY (USA) INC.		86	0	86	0	13	99	0	0	0	0	0	12,553
Total for Above County : (1 record)		86	0	86	0	13	99	0	0	0	0	0	12,553
SALEM (CITY)								200 S YORKSHIRE ST				NAICS Code	332996
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	1,061	1,061	25,355	25,355
NITRIC ACID	N	0	0	0	0	0	0	0	0	19,447	19,447	0	0
NITRIC ACID	N	0	0	0	0	0	0	0	0	11,494	11,494	0	0

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2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
TRICHLOROETHYLENE	N	2,231	0	2,231	0	0	2,231	0	0	0	0	0	7,775
Total for LAKE REGION MEDICAL, INC		2,231	0	2,231	0	0	2,231	0	0	32,002	32,002	25,355	33,130
SALEM (CITY)								528 CHAPMAN ST				NAICS Code	325414
NITRATE COMPOUNDS (WATER DI	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for NOVOZYMES BIOLOGICALS INC		0	0	0	0	0	0	0	0	0	0	0	0
SALEM (CITY)								2003 SALEM INDUSTRIAL DR				NAICS Code	325998
2-PHENYLPHENOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
CERTAIN GLYCOL ETHERS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUALICHEM, INC PLANT 1		0	0	0	0	0	0	0	0	0	0	0	0
SALEM (CITY)								510 BRANCH DR				NAICS Code	325998
ETHYLENE GLYCOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
SODIUM NITRITE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUALICHEM, INC. PLANT 2		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (9 reports)		2,231	0	2,231	0	0	2,231	0	0	32,002	32,002	25,355	33,130
SCOTT								203 TEMPURPEDIC DR				NAICS Code	337910
DIISOCYANATES	N	5	5	10	0	0	10	0	0	0	0	0	6,760
Total for TEMPUR PRODUCTION USA INC		5	5	10	0	0	10	0	0	0	0	0	6,760
Total for Above County : (1 record)		5	5	10	0	0	10	0	0	0	0	0	6,760
SHENANDOAH								1325 INDUSTRIAL PARK RD				NAICS Code	337110

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ETHYLBENZENE	N	395	4,151	4,546	0	0	4,546	0	0	7,091	7,091	0	3,582
METHANOL	N	141	2,036	2,176	0	0	2,176	0	0	2,505	2,505	0	211
TOLUENE	N	667	1,278	1,946	0	0	1,946	0	0	11,963	11,963	0	4,615
XYLENE (MIXED ISOMERS)	N	1,747	19,563	21,310	0	0	21,310	0	0	31,368	31,368	0	21,221
Total for CABINETWORKS GROUP - MOUNT JACK		2,950	27,028	29,979	0	0	29,979	0	0	52,928	52,928	0	29,629
SHENANDOAH GEORGE'S CHICKEN LLC								19992 SENEDO RD				NAICS Code	311615
AMMONIA	N	5,928	0	5,928	0	19	5,947	0	0	580,767	580,767	0	2,489
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	40,408	40,408	0	0	2,100,316	2,100,316	0	3,826
PERACETIC ACID	N	1,720	0	1,720	0	0	1,720	0	0	342,018	342,018	0	167
Total for GEORGE'S CHICKEN LLC		7,648	0	7,648	0	40,427	48,075	0	0	3,023,101	3,023,101	0	6,482
SHENANDOAH GEORGES FAMILY FARMS, LLC MT JACKSON FEED MILL								560 CAVERNS RD				NAICS Code	311119
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GEORGES FAMILY FARMS, LLC MT JACK		0	0	0	0	0	0	0	0	0	0	0	0
SHENANDOAH HOWELL METAL CO								574 DEPOT RD				NAICS Code	331420
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	73,182
Total for HOWELL METAL CO		0	0	0	0	0	0	0	0	0	0	0	73,182
SHENANDOAH NEW MARKET POULTRY LLC								145 OLD EAST CROSS ROAD				NAICS Code	311615
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	116,400	116,400	0	0	239,300	239,300	0	340
Total for NEW MARKET POULTRY LLC		0	0	0	0	116,400	116,400	0	0	239,300	239,300	0	340
Total for Above County : (10 reports)		10,598	27,028	37,626	0	156,827	194,453	0	0	3,315,329	3,315,329	0	109,633

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
SMYTH	HENIFF TRANSPORTATION SYSTEMS LLC							4625 LEE HWY				NAICS Code	325998
AMMONIA	N	750	0	750	0	0	750	0	0	0	0	0	600
N-BUTYL ALCOHOL	N	250	0	250	0	0	250	0	0	0	0	250	230
Total for HENIFF TRANSPORTATION SYSTEMS LL		1,000	0	1,000	0	0	1,000	0	0	0	0	250	830
SMYTH	UTILITY TRAILER MANUFACTURING CO							124 MOUNTAIN EMPIRE RD				NAICS Code	336212
CHROMIUM	N	0	4	4	0	0	4	0	0	0	0	0	130,067
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	0
FORMIC ACID	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	N	0	13	13	0	0	13	0	0	0	0	0	72,232
NICKEL	N	0	1	1	0	0	1	0	0	0	0	0	41,661
TRIETHYLAMINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for UTILITY TRAILER MANUFACTURING CO		0	18	18	0	0	18	0	0	0	0	0	243,960
Total for Above County : (8 reports)		1,000	18	1,018	0	0	1,018	0	0	0	0	250	244,790
SOUTHAMPTON	ARKEMA INC FRANKLIN PLANT							27047 SHADY BROOK TRAIL				NAICS Code	325199
TERT-BUTYL ALCOHOL	N	250	250	500	0	0	500	0	0	0	0	0	101,350
Total for ARKEMA INC FRANKLIN PLANT		250	250	500	0	0	500	0	0	0	0	0	101,350
SOUTHAMPTON	ATLANTIC POLE & PILING - NEWSOMS							21366 GENERAL THOMAS HWY				NAICS Code	321114
ARSENIC COMPOUNDS	N	0	0	0	0	4	4	0	0	0	0	0	123
CHROMIUM COMPOUNDS (EXCEPT	N	0	0	0	0	2	2	0	0	0	0	0	137
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for ATLANTIC POLE & PILING - NEWSOMS		0	0	0	0	6	6	0	0	0	0	0	260
SOUTHAMPTON SOLENIS LLC								27123 SHADY BROOK TRAIL				NAICS Code	325199
1,2-DICHLOROPROPANE	N	3,300	500	3,800	0	62	3,862	0	0	0	0	0	85
HYDROCHLORIC ACID (ACID AERO	N	5,719	0	5,719	0	0	5,719	0	0	0	0	0	0
TRIETHYLAMINE	N	4,300	628	4,928	0	7	4,935	0	0	0	0	0	85
Total for SOLENIS LLC		13,319	1,128	14,447	0	69	14,516	0	0	0	0	0	170
Total for Above County : (7 reports)		13,569	1,378	14,947	0	75	15,022	0	0	0	0	0	101,780
SPOTSYLVANIA CMC REBAR								9434 CROSSROADS PKWY				NAICS Code	332312
NICKEL COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CMC REBAR		0	0	0	0	0	0	0	0	0	0	0	0
SPOTSYLVANIA OLDCASTLE PRECAST INC								5115 MASSAPONAX CHURCH RD				NAICS Code	327390
MANGANESE COMPOUNDS	N	0	2	2	27	0	29	0	0	0	0	0	3,239
Total for OLDCASTLE PRECAST INC		0	2	2	27	0	29	0	0	0	0	0	3,239
SPOTSYLVANIA RUFFIN CREEK PROPERTIES LLC								10229 TIDEWATER TRAIL				NAICS Code	321114
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for RUFFIN CREEK PROPERTIES LLC		0	0	0	0	0	0	0	0	0	0	0	0
SPOTSYLVANIA VIRGINIA CONCRETE SPOTSYLVANIA PLANT								6110 SMITH STATION ROAD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	217	217	0	0	0	0	0	0
Total for VIRGINIA CONCRETE SPOTSYLVANIA PL		0	0	0	0	217	217	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Above County : (4 reports)		0	2	2	27	217	246	0	0	0	0	0	3,239
STAFFORD	FTG CORP.							1026 WARRENTON RD				NAICS Code	334412
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	750
Total for FTG CORP.		0	0	0	0	0	0	0	0	0	0	0	750
STAFFORD	MAPEI CORP							300 NELMS CIR				NAICS Code	325520
LITHIUM CARBONATE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MAPEI CORP		0	0	0	0	0	0	0	0	0	0	0	0
STAFFORD	VIRGINIA CONCRETE-STAFFORD PLANT							32 WYCHE RD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	186	186	0	0	0	0	0	0
Total for VIRGINIA CONCRETE-STAFFORD PLANT		0	0	0	0	186	186	0	0	0	0	0	0
Total for Above County : (3 reports)		0	0	0	0	186	186	0	0	0	0	0	750
SUFFOLK (CITY)	AIRGAS SPECIALTY PRODUCTS INC., SUFFOLK, VA							105 DILL RD				NAICS Code	424690
AMMONIA	N	250	250	500	0	0	500	0	0	0	0	0	0
Total for AIRGAS SPECIALTY PRODUCTS INC., SU		250	250	500	0	0	500	0	0	0	0	0	0
SUFFOLK (CITY)	CAMERON CHEMICAL INC.							830 OLD DILL RD.				NAICS Code	325314
COPPER COMPOUNDS	N	250	250	500	0	5	505	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	250	250	500	0	5	505	0	0	0	0	0	0
ZINC COMPOUNDS	N	250	250	500	0	5	505	0	0	0	0	0	0
Total for CAMERON CHEMICAL INC.		750	750	1,500	0	15	1,515	0	0	0	0	0	0

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
SUFFOLK (CITY)	SOLENIS LLC							2301 WILROY RD				NAICS Code	325199
ACRYLAMIDE	N	35	220	255	0	0	255	0	0	7,322	7,322	7,251	525
ACRYLIC ACID	N	10	122	132	0	0	132	0	0	6,740	6,740	342	107
ACRYLONITRILE	N	33	1,636	1,669	0	0	1,669	0	0	16,986	16,986	0	3
AMMONIA	N	20	1,417	1,437	0	0	1,437	0	0	529	529	632	492
METHANOL	N	385	3,794	4,179	0	0	4,179	0	3,736,425	30,800	3,767,225	24	29
Total for SOLENIS LLC		483	7,189	7,672	0	0	7,672	0	3,736,425	62,377	3,798,802	8,249	1,155
Total for Above County : (9 reports)		1,483	8,189	9,672	0	15	9,687	0	3,736,425	62,377	3,798,802	8,249	1,155
SUSSEX	MURPHY-BROWN LLC WAVERLY FEED MILL							27404 CABIN POINT RD				NAICS Code	311119
COPPER COMPOUNDS	N	0	4	4	0	0	4	0	0	0	0	0	6
MANGANESE	N	0	1	1	0	0	1	0	0	0	0	0	2
ZINC (FUME OR DUST)	N	0	6	6	0	0	6	0	0	0	0	0	8
Total for MURPHY-BROWN LLC WAVERLY FEED		0	10	10	0	0	10	0	0	0	0	0	15
Total for Above County : (3 reports)		0	10	10	0	0	10	0	0	0	0	0	15
VIRGINIA BEACH (CITY)	PAPCO INC							4920 SOUTHERN BLVD				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for PAPCO INC		0	0	0	0	0	0	0	0	0	0	0	0
VIRGINIA BEACH (CITY) STIHL INC								536 VIKING DR				NAICS Code	333112
N-HEXANE	N	77	8,919	8,996	0	0	8,996	0	0	0	0	0	0
TOLUENE	N	39	4,459	4,498	0	0	4,498	0	0	0	0	0	0
Total for STIHL INC		116	13,378	13,494	0	0	13,494	0	0	0	0	0	0
VIRGINIA BEACH (CITY) US NAVY NAVAL AIR STATION OCEANA BASE								1750 TOMCAT BLVD				NAICS Code	928110
NAPHTHALENE	N	135	37	172	0	26	198	0	0	367	367	0	0
Total for US NAVY NAVAL AIR STATION OCEANA		135	37	172	0	26	198	0	0	367	367	0	0
Total for Above County : (10 reports)		251	13,415	13,666	0	26	13,692	0	0	367	367	0	0
WARREN AXALTA COATING SYSTEMS USA LLC-FRONT ROYAL PLANT								7961 WINCHESTER RD				NAICS Code	325510
1,2,4-TRIMETHYLBENZENE	N	0	234	234	0	0	234	0	0	44	44	0	9,524
1,2-BUTYLENE OXIDE	N	0	96	96	0	0	96	0	0	0	0	0	0
ACRYLIC ACID	N	0	352	352	0	0	352	0	0	0	0	0	1
ACRYLONITRILE	N	0	0	0	0	0	0	0	0	0	0	0	1
BUTYL ACRYLATE	N	16	405	421	0	0	421	0	0	0	0	0	108
CERTAIN GLYCOL ETHERS	N	0	2	2	0	0	2	0	0	2	2	0	1,875
CHROMIUM COMPOUNDS (EXCEPT	N	0	1	1	0	0	1	0	0	0	0	0	0

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** TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

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*** BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDs THE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
CYCLOHEXANOL	N	0	22	22	0	0	22	0	0	0	0	0	0
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	200
ETHYLBENZENE	N	7	3,129	3,136	0	0	3,136	0	0	157	157	0	42,213
ETHYLENE GLYCOL	N	0	181	181	0	0	181	0	0	0	0	0	800
METHANOL	N	128	1,728	1,856	0	0	1,856	0	0	0	0	0	5
METHYL ACRYLATE	N	0	283	283	0	0	283	0	0	0	0	0	2,549
METHYL ISOBUTYL KETONE	N	0	421	421	0	0	421	0	0	434	434	0	72
METHYL METHACRYLATE	N	0	5,756	5,756	0	0	5,756	0	0	0	0	0	6
NAPHTHALENE	N	0	60	60	0	0	60	0	0	0	0	0	1
N-BUTYL ALCOHOL	N	0	125	125	0	0	125	0	0	0	0	0	66
N-METHYL-2-PYRROLIDONE	N	0	0	0	0	0	0	0	0	0	0	0	0
PHTHALIC ANHYDRIDE	N	0	55	55	0	0	55	0	0	0	0	0	879
STYRENE	N	0	1,025	1,025	0	0	1,025	0	0	0	0	0	50
TOLUENE	N	252	5,979	6,231	0	0	6,231	0	3,129,666	1,491	3,131,157	0	245,265
VANADIUM COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	0	6,607
XYLENE (MIXED ISOMERS)	N	73	7,078	7,151	0	0	7,151	0	1,978,247	627	1,978,874	0	233,403
ZINC COMPOUNDS	N	0	18	18	0	0	18	0	0	0	0	0	4,704
Total for AXALTA COATING SYSTEMS USA LLC-F		476	26,952	27,428	0	0	27,428	0	5,107,913	2,755	5,110,668	0	548,329
WARREN INTERBAKE FOODS								200 BAKER PLAZA				NAICS Code	311812
ARSENIC	N	0	0	0	0	0	0	0	0	0	0	0	0
SULFURIC ACID (ACID AEROSOLS I	N	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for INTERBAKE FOODS		0	0	0	0	0	0	0	0	0	0	0	0
WARREN		QUARLES PETROLEUM INC. FRONT ROYAL BULK PLANT						195 COMMERCE AVE				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUARLES PETROLEUM INC. FRONT ROY		0	0	0	0	0	0	0	0	0	0	0	0
WARREN		RPS COMPOSITES VIRGINIA, INC.						211 E 4TH ST				NAICS Code	326199
STYRENE	N	1,365	4,094	5,459	0	0	5,459	0	0	0	0	0	0
Total for RPS COMPOSITES VIRGINIA, INC.		1,365	4,094	5,459	0	0	5,459	0	0	0	0	0	0
WARREN		TORAY PLASTICS (AMERICA) INC						500 TORAY DR				NAICS Code	326150
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	135,140	0	135,140	0	40,577
NITRIC ACID	N	0	0	0	0	0	0	0	0	0	0	0	0
SODIUM NITRITE	N	0	0	0	0	0	0	0	210,454	0	210,454	0	50,279
Total for TORAY PLASTICS (AMERICA) INC		0	0	0	0	0	0	0	345,594	0	345,594	0	90,856
Total for Above County : (36 reports)		1,841	31,046	32,887	0	0	32,887	0	5,453,507	2,755	5,456,262	0	639,185
WASHINGTON		APPALACHIAN PLASTICS INC.						34001 GLOVE DR				NAICS Code	326199
METHYL METHACRYLATE	N	1,107	3,319	4,426	0	0	4,426	0	0	0	0	0	0

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2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
STYRENE	N	9,813	29,438	39,251	0	0	39,251	0	0	0	0	0	0
Total for APPALACHIAN PLASTICS INC.		10,920	32,757	43,677	0	0	43,677	0	0	0	0	0	0
WASHINGTON		AZZ GALVANIZING-BRISTOL						14781 INDUSTRIAL PARK RD				NAICS Code	332812
ZINC COMPOUNDS	N	760	0	760	0	86	846	0	0	0	0	0	204,639
Total for AZZ GALVANIZING-BRISTOL		760	0	760	0	86	846	0	0	0	0	0	204,639
WASHINGTON		CARDINAL CG ABINGDON						18370 OAK PARK DR				NAICS Code	327215
SILVER	N	0	0	0	0	0	0	0	0	0	0	0	19,957
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	8,461
Total for CARDINAL CG ABINGDON		0	0	0	0	0	0	0	0	0	0	0	28,418
WASHINGTON		HAPCO						26252 HILLMAN HIGHWAY				NAICS Code	332312
ALUMINUM (FUME OR DUST)	N	4,181	8,362	12,543	0	0	12,543	0	0	0	0	0	253,968
ZINC (FUME OR DUST)	N	754	1,514	2,268	0	0	2,268	0	0	0	0	0	69,724
ZINC COMPOUNDS	N	0	0	0	0	122	122	0	0	0	0	2	0
Total for HAPCO		4,935	9,876	14,811	0	122	14,933	0	0	0	0	2	323,692
WASHINGTON		SHEARERS FOOD LLC						1445 PITTSTOWN ROAD				NAICS Code	311919
NITRIC ACID	N	6	0	6	0	0	6	0	0	12,600	12,600	0	0
Total for SHEARERS FOOD LLC		6	0	6	0	0	6	0	0	12,600	12,600	0	0
WASHINGTON		STRONGWELL CORP HIGHLANDS DIV						26770 NEWBANKS RD				NAICS Code	326199
ANTIMONY COMPOUNDS	N	0	24	24	0	0	24	0	0	0	0	0	0
STYRENE	N	7,448	0	7,448	0	0	7,448	0	0	12	12	0	540

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2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for STRONGWELL CORP HIGHLANDS DIV		7,448	24	7,472	0	0	7,472	0	0	12	12	0	540
WASHINGTON UTILITY TRAILER MANUFACTURING CO								13160 MONROE RD				NAICS Code	336212
CHROMIUM	N	0	4	4	0	0	4	0	0	0	0	0	13,775
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	N	0	13	13	0	0	13	0	0	0	0	0	12,191
NICKEL	N	0	1	1	0	0	1	0	0	0	0	0	3,653
Total for UTILITY TRAILER MANUFACTURING CO		0	18	18	0	0	18	0	0	0	0	0	29,619
WASHINGTON W&W-AFCO STEEL LLC								15083 INDUSTRIAL PARK RD				NAICS Code	332312
MANGANESE	N	0	1	1	0	0	1	0	0	0	0	0	15,097
Total for W&W-AFCO STEEL LLC		0	1	1	0	0	1	0	0	0	0	0	15,097
WASHINGTON ZENITH FUEL SYSTEMS LLC								14570 INDUSTRIAL PARK RD				NAICS Code	336310
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	254
Total for ZENITH FUEL SYSTEMS LLC		0	0	0	0	0	0	0	0	0	0	0	254
Total for Above County : (17 reports)		24,069	42,676	66,745	0	208	66,953	0	0	12,612	12,612	2	602,259
WESTMORELAND CARRY-ON TRAILER CORP								159 INDUSTRIAL PARK RD				NAICS Code	336212
CERTAIN GLYCOL ETHERS	N	0	12,208	12,208	0	0	12,208	0	0	0	0	0	541
CHROMIUM	N	7	0	7	0	0	7	0	0	0	0	0	1,231
MANGANESE	N	67	0	67	0	0	67	0	0	0	0	0	3,463
NICKEL	N	7	0	7	0	0	7	0	0	0	0	0	1,121
Total for CARRY-ON TRAILER CORP		81	12,208	12,289	0	0	12,289	0	0	0	0	0	6,356

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2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Above County : (4 reports)		81	12,208	12,289	0	0	12,289	0	0	0	0	0	6,356
WINCHESTER (CITY) O'SULLIVAN FILMS INC								1944 VALLEY AVE				NAICS Code	326113
ANTIMONY COMPOUNDS	N	9	52	61	0	0	61	0	0	0	0	0	1,169
BARIUM COMPOUNDS (EXCEPT FO	N	4	23	27	0	0	27	0	0	0	0	4	52
DI(2-ETHYLHEXYL) PHTHALATE	N	33	186	219	0	0	219	0	0	0	0	0	370
METHYL ISOBUTYL KETONE	N	0	1,234	1,234	0	0	1,234	0	0	123,684	123,684	0	36,809
TOLUENE	N	0	335	335	0	0	335	0	0	32,921	32,921	0	9,799
XYLENE (MIXED ISOMERS)	N	0	167	167	0	0	167	0	0	16,832	16,832	0	5,009
ZINC COMPOUNDS	N	4	22	26	0	0	26	0	0	0	0	13	197
Total for O'SULLIVAN FILMS INC		50	2,019	2,069	0	0	2,069	0	0	173,436	173,436	17	53,405
Total for Above County : (7 reports)		50	2,019	2,069	0	0	2,069	0	0	173,436	173,436	17	53,405
WISE VIRGINIA CITY HYBRID ENERGY CENTER								3425 RUSSELL CREEK RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	61,000	61,000	0	25	61,025	0	0	0	0	0	0
BARIUM COMPOUNDS (EXCEPT FO	N	0	244	244	86,400	28	86,672	0	0	0	0	0	0
HYDROCHLORIC ACID (ACID AERO	N	0	29,800	29,800	0	0	29,800	0	0	685,000	685,000	0	0
HYDROGEN FLUORIDE	N	0	245	245	0	0	245	0	0	85,700	85,700	0	0
MANGANESE COMPOUNDS	N	0	2,320	2,320	27,100	20	29,440	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
SULFURIC ACID (ACID AEROSOLS I	N	0	2,810	2,810	0	0	2,810	0	0	202,000	202,000	0	0
VANADIUM COMPOUNDS	N	0	1	1	33,300	0	33,301	0	0	0	0	0	0
ZINC COMPOUNDS	N	0	603	603	20,700	8	21,311	0	0	0	0	0	0
Total for VIRGINIA CITY HYBRID ENERGY CENTE		0	97,023	97,023	167,500	81	264,604	0	0	972,700	972,700	0	0
Total for Above County : (11 reports)		0	97,023	97,023	167,500	81	264,604	0	0	972,700	972,700	0	0
WYTHE HUTCHINSON SEALING SYSTEMS INC								1150 S THIRD ST				NAICS Code	326291
ZINC COMPOUNDS	N	34	576	610	0	0	610	0	0	0	0	3	11,329
Total for HUTCHINSON SEALING SYSTEMS INC		34	576	610	0	0	610	0	0	0	0	3	11,329
WYTHE WABTEC COMPONENTS								655 FAIRVIEW RD				NAICS Code	326291
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	2,788
Total for WABTEC COMPONENTS		0	0	0	0	0	0	0	0	0	0	0	2,788
Total for Above County : (2 reports)		34	577	610	0	0	610	0	0	0	0	3	14,117
YORK AFETA CAMP PEARY								1100 EXECUTIVE DRIVE				NAICS Code	928110
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for AFETA CAMP PEARY		0	0	0	0	0	0	0	0	0	0	0	0
YORK EATON CORPORATION - WILLIAMSBURG MANUFACTURING								149 WARWICK COURT				NAICS Code	335999
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	17,009
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	12,006
Total for EATON CORPORATION - WILLIAMSBURG		0	0	0	0	0	0	0	0	0	0	0	29,015

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2021 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
YORK	YORKTOWN POWER STATION							1600 WATERVIEW RD				NAICS Code	221112
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for YORKTOWN POWER STATION		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (4 reports)		0	0	0	0	0	0	0	0	0	0	0	29,015

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Appendix G - 2021 Summary of Facilities, Chemical Releases, Transfers and Management (PBT)

Appendix G: 2021 Summary of Facilities, Chemical Releases, Transfers, and Management (PBT)

Alphabetical Listing by Facility Within Each County/Independent City

2021 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address							Total On-Site Releases				Total On-Site Management	Total Other Off-Site Transfers **	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	(pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	(pounds)	POTW (pounds)	(pounds)
ACCOMACK	PERDUE FARMS ACCOMAC PROCESSING PLANT							22520 LANKFORD HWY				NAICS Code	311615
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for PERDUE FARMS ACCOMAC PROCESS		0	0	0	0	0	0	0	0	0	0	0	0
ACCOMACK	U.S. NASA GSFC WALLOPS FLIGHT FACILITY							34200 FULTON STREET				NAICS Code	927110
LEAD COMPOUNDS	N	0	158	158	0	2	160	0	0	0	0	0	0
Total for U.S. NASA GSFC WALLOPS FLIGHT FA		0	158	158	0	2	160	0	0	0	0	0	0
Total for Above County : (3 records)		0	158	158	0	2	160	0	0	0	0	0	0
ALBEMARLE	INTELLIGENT PLATFORMS, LLC							2500 AUSTIN DRIVE				NAICS Code	334418
LEAD	N	0	1	1	0	0	1	0	0	0	0	0	92
Total for INTELLIGENT PLATFORMS, LLC		0	1	1	0	0	1	0	0	0	0	0	92
ALBEMARLE	NORTHROP GRUMMAN SYSTEMS CORPORATION							1070 SEMINOLE TRAIL				NAICS Code	334511
LEAD	N	0	0	0	0	0	0	0	0	0	0	1	114
Total for NORTHROP GRUMMAN SYSTEMS CO		0	0	0	0	0	0	0	0	0	0	1	114
Total for Above County : (2 records)		0	1	1	0	0	1	0	0	0	0	1	206
ALEXANDRIA (CITY)	VIRGINIA PAVING ALEXANDRIA PLANT							5601 COURTNEY AVENUE				NAICS Code	324121
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	1	1	1	0	0	1	0	0	0	0	0	0
Total for VIRGINIA PAVING ALEXANDRIA PLANT		1	1	1	0	0	1	0	0	0	0	0	0
Total for Above County : (2 records)		1	1	1	0	0	1	0	0	0	0	0	0
AMHERST	COOPER STEEL							275 FRANCIS AVE				NAICS Code	332312

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2021 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for COOPER STEEL		0	0	0	0	0	0	0	0	0	0	0	0
AMHERST								861 FIBRE PLANT RD				NAICS Code	322110
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD	N	0	5	5	0	0	5	0	0	0	0	0	0
Total for GREIF PACKAGING LLC		0	5	5	0	0	5	0	0	0	0	0	0
Total for Above County : (3 records)		0	5	5	0	0	5	0	0	0	0	0	0
ARLINGTON								2 N ROTARY RD				NAICS Code	928110
LEAD COMPOUNDS	N	0	157	157	0	0	157	0	0	0	0	0	0
Total for PENTAGON RESERVATION		0	157	157	0	0	157	0	0	0	0	0	0
ARLINGTON								204 LEE AVE				NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	720
Total for US ARMY JOINT BASE MYER-HENDER		0	0	0	0	0	0	0	0	0	0	0	720
ARLINGTON								2651 SHIRLINGTON RD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE SHIRLINGTON P		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 records)		0	157	157	0	0	157	0	0	0	0	0	720
AUGUSTA								56 DUNSMORE RD				NAICS Code	331524
LEAD	N	0	4	4	0	0	4	0	0	0	0	0	79
Total for BALL ADVANCED ALUMINUM TECHNO		0	4	4	0	0	4	0	0	0	0	0	79
AUGUSTA								131 JOHNSON DRIVE				NAICS Code	332112
LEAD	N	0	0	0	0	1	1	0	0	0	0	1	60
Total for NIBCO OF VIRGINIA INC.		0	0	0	0	1	1	0	0	0	0	1	60
AUGUSTA								8 HEWITT RD				NAICS Code	339992

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Appendix G

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
LEAD	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for TAYLOR & BOODY INC.		0	1	1	0	0	1	0	0	0	0	0	0
Total for Above County : (3 records)		0	4	4	0	1	5	0	0	0	0	1	138
BEDFORD		GEORGIA-PACIFIC BIG ISLAND MILL						9363 LEE-JACKSON HWY				NAICS Code	322121
LEAD COMPOUNDS	N	0	474	474	0	149	1,436	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	2	2	0	3	7	0	0	0	0	0	1
Total for GEORGIA-PACIFIC BIG ISLAND MILL		0	475	475	0	152	1,443	0	0	0	0	0	1
Total for Above County : (2 records)		0	475	475	0	152	1,443	0	0	0	0	0	1
BOTETOURT		METALSA ROANOKE INC.						184 VISTA DR				NAICS Code	336390
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for METALSA ROANOKE INC.		0	0	0	0	0	0	0	0	0	0	0	0
BOTETOURT		ROANOKE CEMENT CO LLC						6071 CATAWBA RD				NAICS Code	327310
LEAD COMPOUNDS	N	4	45	49	0	0	140	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	37	37	0	0	37	0	0	0	0	0	0
Total for ROANOKE CEMENT CO LLC		4	82	86	0	0	178	0	0	0	0	0	0
Total for Above County : (3 records)		4	82	86	0	0	178	0	0	0	0	0	0
BRISTOL (CITY)		ASSOCIATED ASPHALT BRISTOL, LLC						140 SPURGEON LN				NAICS Code	424710
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	14	14	0	0	14	0	0	0	0	0	0
Total for ASSOCIATED ASPHALT BRISTOL, LLC		0	14	14	0	0	14	0	0	0	0	0	0
Total for Above County : (2 records)		0	14	14	0	0	14	0	0	0	0	0	0
BUCHANAN		JEWELL COKE CO LP						1034 DISMAL RIVER RD				NAICS Code	324199
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	4,497	4,497	0	0	4,497	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	83	83	0	0	83	0	0	0	0	0	0

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2021 Toxics Release Inventory

Appendix G

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for JEWELL COKE CO LP		0	4,581	4,581	0	0	4,581	0	0	0	0	0	0
Total for Above County : (3 records)		0	4,581	4,581	0	0	4,581	0	0	0	0	0	0
BUCKINGHAM		BEAR GARDEN GENERATING STATION						2608 C.G. WOODSON ROAD				NAICS Code	221112
POLYCYCLIC AROMATIC COMPOU	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for BEAR GARDEN GENERATING STATIO		0	1	1	0	0	1	0	0	0	0	0	0
BUCKINGHAM		KYANITE MINING CORP MULLITE PLANT						5836 BUFFALO ROAD				NAICS Code	212325
POLYCYCLIC AROMATIC COMPOU	N	28	0	28	0	0	28	0	0	0	0	0	0
Total for KYANITE MINING CORP MULLITE PLA		28	0	28	0	0	28	0	0	0	0	0	0
Total for Above County : (2 records)		28	1	29	0	0	29	0	0	0	0	0	0
BUENA VISTA (CITY)		EVERBRITE LLC						627 E 30TH ST				NAICS Code	339950
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	155
Total for EVERBRITE LLC		0	1	1	0	0	1	0	0	0	0	0	155
Total for Above County : (1 record)		0	1	1	0	0	1	0	0	0	0	0	155
CAMPBELL		BANKER STEEL COMPANY, LLC						351 RANGOON ROAD				NAICS Code	332312
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	1,444
Total for BANKER STEEL COMPANY, LLC		0	0	0	0	0	0	0	0	0	0	0	1,444
CAMPBELL		BWXT NUCLEAR OPERATIONS GROUP, INC.						1570 MOUNT ATHOS RD				NAICS Code	332410
LEAD COMPOUNDS	N	0	0	0	3,781	3	3,784	0	0	0	0	0	21
Total for BWXT NUCLEAR OPERATIONS GROU		0	0	0	3,781	3	3,784	0	0	0	0	0	21
CAMPBELL		GEORGIA-PACIFIC WOOD PRODUCTS LLC - BROOKNEAL OSB						11795 BROOKNEAL HIGHWAY				NAICS Code	321219
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	5	5	0	0	5	0	0	0	0	0	100
Total for GEORGIA-PACIFIC WOOD PRODUCTS		0	5	5	0	0	5	0	0	0	0	0	100
CAMPBELL		SCHRADER-BRIDGEPORT INTERNATIONAL						205 FRAZIER RD				NAICS Code	336390

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Appendix G

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	9,005
Total for SCHRADER-BRIDGEPORT INTERNATI		0	0	0	0	0	0	0	0	0	0	0	9,005
Total for Above County : (5 records)		0	5	5	3,781	3	3,789	0	0	0	0	0	10,570
CAROLINE		LADYSMITH COMBUSTION TURBINE STATION						8063 CEDON RD				NAICS Code	221112
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for LADYSMITH COMBUSTION TURBINE S		0	0	0	0	0	0	0	0	0	0	0	0
CAROLINE		OLDCASTLE APG MID-ATLANTIC MILFORD, VA						16326 IND US TRIAL DR				NAICS Code	327999
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLDCASTLE APG MID-ATLANTIC MILF		0	0	0	0	0	0	0	0	0	0	0	0
CAROLINE		US ARMY FORT AP HILL RANGES (PART)						19952 NORTH RANGE RD				NAICS Code	928110
LEAD COMPOUNDS	N	113	0	113	0	986	20,782	0	0	0	0	0	3,258
Total for US ARMY FORT AP HILL RANGES (PA		113	0	113	0	986	20,782	0	0	0	0	0	3,258
Total for Above County : (3 records)		113	0	114	0	986	20,782	0	0	0	0	0	3,258
CARROLL		VAUGHAN-BASSETT FURNITURE CO. GALAX						300 E GRAYSON ST				NAICS Code	337122
LEAD	N	0	2	2	0	0	2	0	0	0	0	0	0
Total for VAUGHAN-BASSETT FURNITURE CO.		0	2	2	0	0	2	0	0	0	0	0	0
Total for Above County : (1 record)		0	2	2	0	0	2	0	0	0	0	0	0
CHARLOTTE		MORGAN LUMBER COMPANY, INC.						628 JEB STUART HIGHWAY				NAICS Code	321113
LEAD COMPOUNDS	N	0	18	18	418	0	437	0	0	0	0	0	0
Total for MORGAN LUMBER COMPANY, INC.		0	18	18	418	0	437	0	0	0	0	0	0
Total for Above County : (1 record)		0	18	18	418	0	437	0	0	0	0	0	0
CHESAPEAKE (CITY)		CONCRETE PIPE & PRECAST LLC CHESAPEAKE PLANT						3801 COOK BLVD				NAICS Code	327332
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC CHE		0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
CHESAPEAKE (CITY)	SAFETY-KLEEN SYSTEMS CHESAPEAKE (CPK)							4545 BAINBRIDGE BLVD				NAICS Code	562112
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	6
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	315
Total for SAFETY-KLEEN SYSTEMS CHESAPEA		0	0	0	0	0	0	0	0	0	0	0	322
CHESAPEAKE (CITY)	US/NAVY NAVAL SUPPORT ACTIVITY NORTHWEST ANNEX RANGE							1320 NW BLVD SUITE 100				NAICS Code	928110
LEAD	N	0	0	0	0	0	18,473	0	0	0	0	0	0
Total for US/NAVY NAVAL SUPPORT ACTIVITY		0	0	0	0	0	18,473	0	0	0	0	0	0
Total for Above County : (4 records)		0	0	0	0	0	18,473	0	0	0	0	0	322
CHESTERFIELD	ALERIS ROLLED PRODUCTS INC							1701 REYMET RD				NAICS Code	331315
DIOXIN AND DIOXIN-LIKE COMPO	N	0	1	1	0	0	1	0	0	0	0	0	10
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	22
Total for ALERIS ROLLED PRODUCTS INC		0	1	1	0	0	1	0	0	0	0	0	32
CHESTERFIELD	CHESTERFIELD POWER STATION							500 COXENDALE RD				NAICS Code	221112
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	48	48	0	25	6,168	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	8	8	0	0	88	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for CHESTERFIELD POWER STATION		0	57	57	0	25	6,257	0	0	0	0	0	0
CHESTERFIELD	KAISER ALUMINUM FABRICATED PRODUCTS LLC							1901 REYMET RD				NAICS Code	331318
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	383
Total for KAISER ALUMINUM FABRICATED PRO		0	0	0	0	0	0	0	0	0	0	0	383
CHESTERFIELD	MECHANICSVILLE CONCRETE LLC-CHESTERFIELD PLANT							3501 WARBRO RD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MECHANICSVILLE CONCRETE LLC-CH		0	0	0	0	0	0	0	0	0	0	0	0

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CHESTERFIELD	OLDCASTLE APG MID-ATLANTIC RICHMOND, VA							1231 WILLIS RD				NAICS Code	327999
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLDCASTLE APG MID-ATLANTIC RICH		0	0	0	0	0	0	0	0	0	0	0	0
CHESTERFIELD	PLANT 782 - 12020 OLD STAGE ROAD							12020 OLD STAGE ROAD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for PLANT 782 - 12020 OLD STAGE ROAD		0	0	0	0	0	0	0	0	0	0	0	0
CHESTERFIELD	SAFETY-KLEEN SYSTEMS CHESTER (CVA)							1200 W 100 RD				NAICS Code	562112
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	46
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	1,696
Total for SAFETY-KLEEN SYSTEMS CHESTER (0	0	0	0	0	0	0	0	0	0	0	1,742
CHESTERFIELD	SPRUANCE PLANT							5401 JEFFERSON DAVIS HWY				NAICS Code	325220
POLYCYCLIC AROMATIC COMPOU	N	22	0	22	0	0	222	0	0	0	0	0	395
Total for SPRUANCE PLANT		22	0	22	0	0	222	0	0	0	0	0	395
CHESTERFIELD	TRIDENT AMERICAS							833 LIBERTY WAY				NAICS Code	332813
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TRIDENT AMERICAS		0	0	0	0	0	0	0	0	0	0	0	0
CHESTERFIELD	WEIDMULLER							821 SOUTHLAKE BLVD				NAICS Code	335999
LEAD COMPOUNDS	N	1	1	2	0	0	2	0	0	0	0	0	0
Total for WEIDMULLER		1	1	2	0	0	2	0	0	0	0	0	0
Total for Above County : (15 records)		23	59	82	0	25	6,482	0	0	0	0	0	2,552
COVINGTON (CITY)	INGEVITY VIRGINIA CORPORATION							958 E RIVERSIDE ST				NAICS Code	325998
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for INGEVITY VIRGINIA CORPORATION		0	0	0	0	0	0	0	0	0	0	0	0
COVINGTON (CITY)	WESTROCK VIRGINIA CORPORATION (ENTIRE)							104 E. RIVERSIDE STREET				NAICS Code	322130

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** TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

2021 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
BENZO[G,H,I]PERYLENE	N	0	3	3	0	0	10	0	0	0	0	0	0
DIOXIN AND DIOXIN-LIKE COMPO	N	0	1	1	0	0	3	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	104	104	0	92	4,746	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	22	22	0	1	38	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	316	316	0	0	387	0	0	0	0	0	0
Total for WESTROCK VIRGINIA CORPORATION		0	446	446	0	93	5,184	0	0	0	0	0	0
Total for Above County : (6 records)		0	446	446	0	93	5,184	0	0	0	0	0	0
CULPEPER	BINGHAM & TAYLOR							601 NALLE PL				NAICS Code	331511
LEAD	N	0	2	2	0	0	2	0	0	0	0	0	1,942
Total for BINGHAM & TAYLOR		0	2	2	0	0	2	0	0	0	0	0	1,942
CULPEPER	BRANTNER & ASSOCIATES INC DBA TE CONNECTIVITY MOG							751 OLD BRANDY RD				NAICS Code	331491
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	228
Total for BRANTNER & ASSOCIATES INC DBA T		0	0	0	0	0	0	0	0	0	0	0	228
CULPEPER	VIRGINIA CONCRETE - CULPEPER							11454 QUARRY DRIVE				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE - CULPEPER		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 records)		0	2	2	0	0	2	0	0	0	0	0	2,170
DANVILLE (CITY)	THE GOODYEAR TIRE & RUBBER CO.							1901 GOODYEAR BLVD				NAICS Code	326211
LEAD COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	0	309
POLYCYCLIC AROMATIC COMPOU	N	0	4	4	0	0	4	0	0	0	0	0	1,183
Total for THE GOODYEAR TIRE & RUBBER CO.		0	6	6	0	0	6	0	0	0	0	0	1,492
Total for Above County : (2 records)		0	6	6	0	0	6	0	0	0	0	0	1,492
DINWIDDIE	CHAPARRAL (VA) INC							25801 HOFHEIMER WAY				NAICS Code	331110
DIOXIN AND DIOXIN-LIKE COMPO	N	0	1	1	0	0	1	0	0	0	0	0	3
LEAD COMPOUNDS	N	61	10	71	0	0	71	0	0	0	0	0	172,493

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Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
MERCURY COMPOUNDS	N	0	172	172	0	0	172	0	0	0	0	0	110
Total for CHAPARRAL (VA) INC		61	183	244	0	0	244	0	0	0	0	0	172,606
DINWIDDIE								26317 SIMPSON RD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MECHANICSVILLE CONCRETE LLC-PE		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (4 records)		61	183	244	0	0	244	0	0	0	0	0	172,606
FAIRFAX								6315 BREN MAR DR				NAICS Code	922120
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	4,899
Total for BREN MAR		0	0	0	0	0	0	0	0	0	0	0	4,899
FAIRFAX								8413 TERMINAL RD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for NEWINGTON CONCRETE PLANT		0	0	0	0	0	0	0	0	0	0	0	0
FAIRFAX								8420 TERMINAL RD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for SUPERIOR CONCRETE MATERIALS IN		0	0	0	0	0	0	0	0	0	0	0	0
FAIRFAX								15718 LEE HIGHWAY				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-CENT		0	0	0	0	0	0	0	0	0	0	0	0
FAIRFAX								6600 ELECTRONIC DR				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-SPRI		0	0	0	0	0	0	0	0	0	0	0	0
FAIRFAX								9430 JACKSON LOOP				NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for US ARMY GARRISON FORT BELVOIR		0	0	0	0	0	0	0	0	0	0	0	0

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2021 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
FAIRFAX	VIRGINIA CONCRETE CENTREVILLE PLANT							15717 LEE HWY				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE CENTREVILLE P		0	0	0	0	0	0	0	0	0	0	0	0
FAIRFAX	VIRGINIA CONCRETE EDSALL ROAD PLANT							5412 INDUSTRIAL DR				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE EDSALL ROAD P		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (8 records)		0	0	0	0	0	0	0	0	0	0	0	4,899
FAIRFAX (CITY)	CITGO FAIRFAX TERMINAL							9600 COLONIAL AVE				NAICS Code	424710
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CITGO FAIRFAX TERMINAL		0	0	0	0	0	0	0	0	0	0	0	0
FAIRFAX (CITY)	MOTIVA FAIRFAX TERMINAL							3800 PICKETT RD				NAICS Code	424710
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MOTIVA FAIRFAX TERMINAL		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (6 records)		0	0	0	0	0	0	0	0	0	0	0	0
FALLS CHURCH (CITY)	VIRGINIA CONCRETE FALLS CHURCH PLANT							7103 GORDON RD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE FALLS CHURCH		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
FAUQUIER	CHEMETRICS INC							4295 CATLETT RD				NAICS Code	325998
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CHEMETRICS INC		0	0	0	0	0	0	0	0	0	0	0	0

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2021 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
FAUQUIER	US DOD WARRENTON TRAINING CENTER STATION B							7471 BEAR WALLOW RD				NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	924
Total for US DOD WARRENTON TRAINING CEN		0	0	0	0	0	0	0	0	0	0	0	924
FAUQUIER	US DOD, WARRENTON TRAINING CENTER STATION C RANGE							7248 SUMERDUCK RD				NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	1,932
Total for US DOD, WARRENTON TRAINING CEN		0	0	0	0	0	0	0	0	0	0	0	1,932
Total for Above County : (3 records)		0	0	0	0	0	0	0	0	0	0	0	2,856
FREDERICK	APG MID-ATLANTIC - WINCHESTER							396 TYSON DRIVE				NAICS Code	327999
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for APG MID-ATLANTIC - WINCHESTER		0	0	0	0	0	0	0	0	0	0	0	0
FREDERICK	O-N MINERALS (CHEMSTONE) WINCHESTER LIME PLANT							508 QUARRY LN				NAICS Code	327410
LEAD COMPOUNDS	N	0	0	0	0	0	2	0	0	0	0	0	0
Total for O-N MINERALS (CHEMSTONE) WINCH		0	0	0	0	0	2	0	0	0	0	0	0
FREDERICK	TITAN VIRGINIA READY-MIX LLC-CLEAR BROOK PLANT							1383 BRUCETOWN RD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-CLEA		0	0	0	0	0	0	0	0	0	0	0	0
FREDERICK	VIRGINIA CONCRETE - STEPHENS CITY							339 ESTEP ROAD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE - STEPHENS CIT		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (4 records)		0	0	0	0	0	2	0	0	0	0	0	0
GALAX (CITY)	GUARDIAN FABRICATION, LLC - PLANT 2							110 JACK GUYNN DR				NAICS Code	327215
LEAD	N	0	0	0	0	0	0	0	0	0	0	2	356
Total for GUARDIAN FABRICATION, LLC - PLAN		0	0	0	0	0	0	0	0	0	0	2	356
GALAX (CITY)	WEBB ENTERPRISES LLC AMERICAN MIRROR							602 E STUART DR				NAICS Code	327215

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Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for WEBB ENTERPRISES LLC AMERICAN		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (2 records)		0	0	0	0	0	0	0	0	0	0	2	356
GILES		CELANESE ACETATE LLC - CELCO P LANT						3520 VIRGINIA AVE				NAICS Code	325220
MERCURY	N	0	2	2	0	0	2	0	0	0	0	0	5
POLYCHLORINATED BIPHENYLS	N	0	0	0	0	0	0	0	0	0	0	0	18
Total for CELANESE ACETATE LLC - CELCO P L		0	2	2	0	0	2	0	0	0	0	0	23
Total for Above County : (2 records)		0	2	2	0	0	2	0	0	0	0	0	23
GLOUCESTER		TCS MATERIALS GLOUCESTER READY-MIX						5248 GEORGE WASHINGTON MEMORIAL				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TCS MATERIALS GLOUCESTER READ		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
GREENSVILLE		GEORGIA PACIFIC WOOD PRODUCTS LLC EMPORIA PLYWOOD						634 DAVIS ST				NAICS Code	321212
LEAD COMPOUNDS	N	0	248	248	0	0	248	0	0	0	0	0	74
Total for GEORGIA PACIFIC WOOD PRODUCTS		0	248	248	0	0	248	0	0	0	0	0	74
GREENSVILLE		STEELFAB OF VIRGINIA INC						1510 REESE ST				NAICS Code	332312
LEAD	N	6	0	7	0	0	7	0	0	0	0	0	3,366
Total for STEELFAB OF VIRGINIA INC		6	0	7	0	0	7	0	0	0	0	0	3,366
Total for Above County : (2 records)		6	249	255	0	0	255	0	0	0	0	0	3,440
HALIFAX		CLOVER POWER STATION						4091 CLOVER RD				NAICS Code	221112
LEAD COMPOUNDS	N	0	4	4	0	9	6,188	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	1	1	0	1	77	0	0	0	0	0	0
Total for CLOVER POWER STATION		0	5	5	0	10	6,265	0	0	0	0	0	0
HALIFAX		HUBER ENGINEERED WOODS LLC						1000 CHANEY LN				NAICS Code	321219
LEAD COMPOUNDS	N	0	14	14	0	0	14	0	0	0	0	0	39

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for HUBER ENGINEERED WOODS LLC		0	14	14	0	0	14	0	0	0	0	0	39
Total for Above County : (3 records)		0	19	19	0	10	6,279	0	0	0	0	0	39
HAMPTON (CITY)	BRANSCOME-HAMPTON							1922 W PEMBROKE AVE				NAICS Code	324121
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for BRANSCOME-HAMPTON		0	0	0	0	0	0	0	0	0	0	0	0
HAMPTON (CITY)	TCS MATERIALS HAMPTON 58TH ST. READY-MIX							2510 58TH ST				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TCS MATERIALS HAMPTON 58TH ST.		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (4 records)		0	0	0	0	0	0	0	0	0	0	0	0
HANOVER	CONCRETE PIPE & PRECAST LLC-ASHLAND PRECAST PLANT							11352 VIRGINIA PRECAST RD				NAICS Code	327332
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC-ASH		0	0	0	0	0	0	0	0	0	0	0	0
HANOVER	CONCRETE PIPE & PRECAST LLC-HANOVER PIPE PLANT							10364 DESIGN RD				NAICS Code	327332
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC-HA		0	0	0	0	0	0	0	0	0	0	0	0
HANOVER	SOUTH ATLANTIC GALVANIZING LLC							11022 LEWISTOWN RD				NAICS Code	332812
LEAD	N	0	17	18	0	1	18	0	0	0	0	0	2,688
Total for SOUTH ATLANTIC GALVANIZING LLC		0	17	18	0	1	18	0	0	0	0	0	2,688
Total for Above County : (3 records)		0	18	18	0	1	19	0	0	0	0	0	2,688
HENRICO	IR ENGRAVING LLC							5901 LEWIS RD				NAICS Code	323111
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	3,213
Total for IR ENGRAVING LLC		0	0	0	0	0	0	0	0	0	0	0	3,213

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Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
HENRICO	MECHANICSVILLE CONCRETE LLC							4608 RACRETE RD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MECHANICSVILLE CONCRETE LLC		0	0	0	0	0	0	0	0	0	0	0	0
HENRICO	MECHANICSVILLE CONCRETE LLC-AIRPORT PLANT (OAKLEYS LA							4481 OAKLEYS LN				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MECHANICSVILLE CONCRETE LLC-AI		0	0	0	0	0	0	0	0	0	0	0	0
HENRICO	SOUTHERN GRAPHIC SYSTEMS LLC							5301 LEWIS RD				NAICS Code	323120
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	135
Total for SOUTHERN GRAPHIC SYSTEMS LLC		0	0	0	0	0	0	0	0	0	0	0	135
Total for Above County : (4 records)		0	0	0	0	0	0	0	0	0	0	0	3,348
HENRY	PINE PRODUCTS INC							315 CARVER RD				NAICS Code	321113
LEAD	N	0	785	785	0	0	785	0	0	0	0	0	0
Total for PINE PRODUCTS INC		0	785	785	0	0	785	0	0	0	0	0	0
HENRY	VIRGINIA MIRROR CO INC							300 S MOSS ST				NAICS Code	327215
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	37	104
Total for VIRGINIA MIRROR CO INC		0	1	1	0	0	1	0	0	0	0	37	104
Total for Above County : (2 records)		0	786	786	0	0	786	0	0	0	0	37	104
HOPEWELL (CITY)	ADVANSIX INC HOPEWELL PLANT							905 E RANDOLPH RD				NAICS Code	325199
POLYCYCLIC AROMATIC COMPOU	N	235	0	235	0	0	235	0	0	0	0	0	0
Total for ADVANSIX INC HOPEWELL PLANT		235	0	235	0	0	235	0	0	0	0	0	0
HOPEWELL (CITY)	ASSOCIATED ASPHALT HOPEWELL LLC							410 WATER ST				NAICS Code	424710
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	3	3	0	0	3	0	0	0	0	0	0
Total for ASSOCIATED ASPHALT HOPEWELL LL		0	3	3	0	0	3	0	0	0	0	0	0

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2021 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
HOPEWELL (CITY)	WESTROCK CP LLC							910 INDUSTRIAL ST				NAICS Code	322130
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	13	13	0	0	13	0	0	0	0	280	592
Total for WESTROCK CP LLC		0	13	13	0	0	13	0	0	0	0	280	592
Total for Above County : (5 records)		235	17	252	0	0	252	0	0	0	0	280	592
ISLE OF WIGHT	INTERNATIONAL PAPER FRANKLIN MILL							34040 UNION CAMP DR				NAICS Code	322110
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	2	3	0	0	0	0	0	4
LEAD COMPOUNDS	N	0	28	28	0	66	95	0	0	0	0	0	772
POLYCYCLIC AROMATIC COMPOU	N	0	90	90	0	0	90	0	0	0	0	0	0
Total for INTERNATIONAL PAPER FRANKLIN MI		0	119	119	0	69	187	0	0	0	0	0	776
ISLE OF WIGHT	ST TISSUE LLC							34050 UNION CAMP DR				NAICS Code	322121
LEAD	N	0	1	1	0	0	1	0	0	0	0	0	291
Total for ST TISSUE LLC		0	1	1	0	0	1	0	0	0	0	0	291
Total for Above County : (4 records)		0	119	119	0	69	188	0	0	0	0	0	1,067
JAMES CITY	BALL METAL BEVERAGE CONTAINER CORP							8935 POCAHONTAS TRAIL JAMES RIVER				NAICS Code	332431
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	3
Total for BALL METAL BEVERAGE CONTAINER		0	0	0	0	0	0	0	0	0	0	0	3
JAMES CITY	BRANSCOME-LEE HALL							9393 MERRIMAC TRAIL				NAICS Code	324121
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for BRANSCOME-LEE HALL		0	0	0	0	0	0	0	0	0	0	0	0
JAMES CITY	GREYSTONE OF VIRGINIA INC							7992 RICHMOND RD				NAICS Code	332813
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	157
Total for GREYSTONE OF VIRGINIA INC		0	0	0	0	0	0	0	0	0	0	0	157

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
JAMES CITY OWENS-BROCKWAY GLASS CONTAINER INC PLANT 26								150 INDUSTRIAL BLVD				NAICS Code	327213
LEAD COMPOUNDS	N	0	159	159	0	0	159	0	0	0	0	0	0
Total for OWENS-BROCKWAY GLASS CONTAIN		0	159	159	0	0	159	0	0	0	0	0	0
Total for Above County : (6 records)		0	159	160	0	0	160	0	0	0	0	0	160
KING GEORGE BIRCHWOOD POWER FACILITY								10900 BIRCHWOOD DR				NAICS Code	221112
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	2,100
Total for BIRCHWOOD POWER FACILITY		0	1	1	0	0	1	0	0	0	0	0	2,100
Total for Above County : (1 record)		0	1	1	0	0	1	0	0	0	0	0	2,100
KING WILLIAM WESTROCK CP, LLC								1901 MAIN ST				NAICS Code	322110
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	39	39	0	40	79	0	0	0	0	0	1,001
MERCURY COMPOUNDS	N	0	21	21	0	1	22	0	0	0	0	0	5
POLYCYCLIC AROMATIC COMPOU	N	0	194	194	0	0	194	0	0	0	0	0	0
Total for WESTROCK CP, LLC		0	253	253	0	41	294	0	0	0	0	0	1,006
Total for Above County : (4 records)		0	253	253	0	41	294	0	0	0	0	0	1,006
LEE US PENITENTIARY LEE								LEE COUNTY IND US TRIAL PARK HICKORY				NAICS Code	922140
LEAD COMPOUNDS	N	1	0	1	0	0	1,671	0	0	0	0	0	0
Total for US PENITENTIARY LEE		1	0	1	0	0	1,671	0	0	0	0	0	0
Total for Above County : (1 record)		1	0	1	0	0	1,671	0	0	0	0	0	0
LOUDOUN CHANTILLY READY MIX CONCRETE								25232 WILLARD ROAD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	2
MERCURY COMPOUNDS	N	1	1	1	0	0	1	0	0	0	0	0	0
Total for CHANTILLY READY MIX CONCRETE		1	1	1	0	0	1	0	0	0	0	0	2
LOUDOUN GEA SYSTEMS DBA LLC (DBA LLC DOWTY PROPELLERS)								114 POWERS CT				NAICS Code	336413
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix G

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Chemical Name	form A*	Fugitive	Stack	Total	Land	Water	Total On-Site Releases	Energy	Recycling	Treatment	Total	POTW	Total Other Off-Site Transfers **
		Air	Air	Air				Recovery			On-Site	(pounds)	(pounds)
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for GEA SYSTEMS DBA LLC (DBA LLC DO		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN								44146 WADE DR				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
MERCURY	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for SUPERIOR CONCRETE MATERIALS IN		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN								42105 COCHRAN MILL RD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-LEES		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN								22963 CONCRETE PLAZA				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-STER		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN								1200 SEVERN WAY				NAICS Code	334412
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	79	2,497
Total for TTM TECHNOLOGIES N.A. LLC.		0	0	0	0	0	0	0	0	0	0	79	2,497
LOUDOUN								19844 BLUE RIDGE MOUNTAIN RD				NAICS Code	922190
LEAD COMPOUNDS	N	2	0	2	0	0	2	0	0	0	0	0	1,182
Total for US DHS MT WEATHER EOC		2	0	2	0	0	2	0	0	0	0	0	1,182
LOUDOUN								25086 TANNER LN				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE CO INC-CHANTI		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN								42574 COCHRAN MILL RD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE COCHRAN MILL		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN								44866 OLD OX RD				NAICS Code	327320

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE DULLES PLANT		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (12 records)		3	1	4	0	0	4	0	0	0	0	79	3,681
LYNCHBURG (CITY)	BANKER STEEL COMPANY, LLC							1619 WYTHE RD				NAICS Code	332312
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	572
Total for BANKER STEEL COMPANY, LLC		0	0	0	0	0	0	0	0	0	0	0	572
LYNCHBURG (CITY)	BOXLEY LYNCHBURG ASPHALT PLANT							3535 JOHN CAPRON RD				NAICS Code	324121
POLYCYCLIC AROMATIC COMPOU	N	0	3	3	0	0	3	0	4,787	0	4,787	0	0
Total for BOXLEY LYNCHBURG ASPHALT PLAN		0	3	3	0	0	3	0	4,787	0	4,787	0	0
LYNCHBURG (CITY)	GRIFFIN PIPE PRODUCTS CO							10 ADAMS ST				NAICS Code	331511
LEAD COMPOUNDS	N	2	1,638	1,640	0	0	1,640	0	0	0	0	0	38,869
MERCURY COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	14
Total for GRIFFIN PIPE PRODUCTS CO		2	1,639	1,641	0	0	1,641	0	0	0	0	0	38,883
LYNCHBURG (CITY)	PARKER HANNIFIN INTEGRATED SEALS DIV							3700 MAYFLOWER DR				NAICS Code	326291
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for PARKER HANNIFIN INTEGRATED SEA		0	0	0	0	0	0	0	0	0	0	0	0
LYNCHBURG (CITY)	WESTROCK / SEVEN HILLS LLC							1801 CONCORD TURNPIKE				NAICS Code	322121
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	10
Total for WESTROCK / SEVEN HILLS LLC		0	0	0	0	0	0	0	0	0	0	0	10
Total for Above County : (6 records)		2	1,642	1,644	0	0	1,644	0	4,787	0	4,787	0	39,465
MECKLENBURG	AMERICAN BUILDINGS COMPANY-LA CROSSE							501 GOLDEN EAGLE DR				NAICS Code	332311
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	1,469
Total for AMERICAN BUILDINGS COMPANY-LA		0	0	0	0	0	0	0	0	0	0	0	1,469
MECKLENBURG	PALLET ONE OF VIRGINIA							820 BOYD ST				NAICS Code	321920

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for PALLET ONE OF VIRGINIA		0	1	1	0	0	1	0	0	0	0	0	0
Total for Above County : (2 records)		0	1	1	0	0	1	0	0	0	0	0	1,469
MONTGOMERY	ALLIANT TECHSYSTEMS OPERATIONS LLC (NEW RIVER ENERGETI							RT 114 RADFORD ARMY AMMUNITION PLANT				NAICS Code	325920
LEAD COMPOUNDS	N	0	5	5	0	0	5	0	0	0	0	0	6
Total for ALLIANT TECHSYSTEMS OPERATION		0	5	5	0	0	5	0	0	0	0	0	6
MONTGOMERY	BAE SYSTEMS, ORDNANCE SYSTEMS INC							RADFORD ARMY AMMUNITION PLANT 4050				NAICS Code	325920
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	758	84	842	0	122	964	0	0	0	0	0	2,000
MERCURY	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for BAE SYSTEMS, ORDNANCE SYSTEMS		758	84	842	0	122	964	0	0	0	0	0	2,000
MONTGOMERY	FEDERAL MOGUL POWERTRAIN LLC.							300 INDUSTRIAL PARK RD SE				NAICS Code	336350
LEAD	N	0	10	10	0	0	10	0	0	0	0	1	1,090
Total for FEDERAL MOGUL POWERTRAIN LLC.		0	10	10	0	0	10	0	0	0	0	1	1,090
MONTGOMERY	MOOG INC.							1213 N MAIN ST				NAICS Code	334419
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	228
Total for MOOG INC.		0	0	0	0	0	0	0	0	0	0	0	228
Total for Above County : (6 records)		758	98	856	0	122	978	0	0	0	0	1	3,323
NEWPORT NEWS (CITY)	BKEP MATERIALS, LLC -- NEWPORT NEWS VA							801 TERMINAL AVE				NAICS Code	324121
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	3
POLYCYCLIC AROMATIC COMPOU	N	0	1	1	0	0	1	0	1	0	1	0	156
Total for BKEP MATERIALS, LLC -- NEWPORT N		0	1	1	0	0	1	0	1	0	1	0	159
NEWPORT NEWS (CITY)	HUNTINGTON INGALLS INC							4101 WASHINGTON AVE				NAICS Code	336611
LEAD	N	1	1	2	0	381	382	0	0	0	0	24	5,215
Total for HUNTINGTON INGALLS INC		1	1	2	0	381	382	0	0	0	0	24	5,215

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NEWPORT NEWS (CITY)	JOINT BASE LANGLEY EUSTIS-EUSTIS (JBLE-EUSTIS) RANGES							705 WASHINGTON BLVD				NAICS Code	928110
LEAD COMPOUNDS	N	4	0	4	0	0	4,643	0	0	0	0	0	0
Total for JOINT BASE LANGLEY EUSTIS-EUSTIS		4	0	4	0	0	4,643	0	0	0	0	0	0
NEWPORT NEWS (CITY)	TCS MATERIALS NEWPORT NEWS							700 SHIELDS RD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TCS MATERIALS NEWPORT NEWS		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (5 records)		6	1	7	0	381	5,027	0	1	0	1	24	5,374
NORFOLK (CITY)	BAE SYSTEMS NORFOLK SHIP REPAIR							750 W BERKLEY AVE				NAICS Code	336611
LEAD COMPOUNDS	N	6	0	6	0	0	6	0	0	0	0	7	130
Total for BAE SYSTEMS NORFOLK SHIP REPAIR		6	0	6	0	0	6	0	0	0	0	7	130
NORFOLK (CITY)	CAPITAL CONCRETE INC.							400 STAPLETON ST				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CAPITAL CONCRETE INC.		0	0	0	0	0	0	0	0	0	0	0	0
NORFOLK (CITY)	TITAN VIRGINIA READY-MIX LLC-CAMPOSTELLA PLANT							2125 KIMBALL TERRACE				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-CAM		0	0	0	0	0	0	0	0	0	0	0	0
NORFOLK (CITY)	US NAVY NAVAL STATION NORFOLK							1530 GILBERT STREET SUITE 2000				NAICS Code	928110
LEAD	N	9	0	9	0	0	9	0	0	0	0	0	0
Total for US NAVY NAVAL STATION NORFOLK		9	0	9	0	0	9	0	0	0	0	0	0
Total for Above County : (4 records)		16	0	16	0	0	16	0	0	0	0	7	130
NORTHUMBERLAND	CARRY-ON TRAILER CORP							617 HARRY HOGAN RD				NAICS Code	336212
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	4
Total for CARRY-ON TRAILER CORP		0	0	0	0	0	0	0	0	0	0	0	4
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	4

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2021 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NOTTOWAY	ARBORTECH FOREST PRODUCTS, INC.							500 DEARING AVENUE				NAICS Code	321113
LEAD COMPOUNDS	N	0	13	13	0	0	28	0	0	0	0	0	0
Total for ARBORTECH FOREST PRODUCTS, IN		0	13	13	0	0	28	0	0	0	0	0	0
NOTTOWAY	US ARMY NATIONAL GUARD FORT PICKETT (RANGES)							US PFO BUILDING 316 FORT PICKETT				NAICS Code	928110
LEAD	N	0	0	0	0	0	41,958	0	0	0	0	0	0
LEAD COMPOUNDS	N	80	0	80	0	0	80	0	0	0	0	0	0
Total for US ARMY NATIONAL GUARD FORT PI		80	0	80	0	0	42,038	0	0	0	0	0	0
Total for Above County : (3 records)		80	13	93	0	0	42,066	0	0	0	0	0	0
PATRICK	MICROMETRICS SYSTEM							225 JEB STUART HWY				NAICS Code	332710
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MICROMETRICS SYSTEM		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
PETERSBURG (CITY)	PRE CON, INC.							321 BROWN ST				NAICS Code	313320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for PRE CON, INC.		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
PITTSYLVANIA	BLUE RIDGE FIBERBOARD							250 CELOTEX DR				NAICS Code	321219
POLYCYCLIC AROMATIC COMPOU	N	13	0	13	0	0	13	0	0	0	0	0	0
Total for BLUE RIDGE FIBERBOARD		13	0	13	0	0	13	0	0	0	0	0	0
PITTSYLVANIA	JTI LEAF SERVICES (US) LLC							202 STINSON DRIVE				NAICS Code	312230
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	41,340
Total for JTI LEAF SERVICES (US) LLC		0	0	0	0	0	0	0	0	0	0	0	41,340
PITTSYLVANIA	OWENS-BROCKWAY GLASS CONTAINER INC PLANT 29							29 GLASSBLOWER LN				NAICS Code	327213
LEAD COMPOUNDS	N	0	237	237	0	0	237	0	0	0	0	0	1

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2021 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive	Stack	Total	Land	Water	Total On-Site Releases	Energy	Recycling	Treatment	Total On-Site Management	POTW	Total Other Off-Site Transfers **
		Air	Air	Air				Recovery					
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for OWENS-BROCKWAY GLASS CONTAIN		0	237	237	0	0	237	0	0	0	0	0	1
Total for Above County : (3 records)		13	237	250	0	0	250	0	0	0	0	0	41,341
PORTSMOUTH (CITY)	TITAN VIRGINIA READY-MIX LLC-PORT NORFOLK PLANT							101 CHAUTAUQUA AVE				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-PORT		0	0	0	0	0	0	0	0	0	0	0	0
PORTSMOUTH (CITY)	US COAST GUARD BASE PORTSMOUTH							4000 COAST GUARD BLVD				NAICS Code	928110
LEAD	N	4	0	4	0	0	4	0	0	0	0	0	6,715
Total for US COAST GUARD BASE PORTSMOUT		4	0	4	0	0	4	0	0	0	0	0	6,715
Total for Above County : (2 records)		4	0	4	0	0	4	0	0	0	0	0	6,715
PRINCE GEORGE	FEDERAL CORRECTIONAL COMPLEX							1060 RIVER RD				NAICS Code	922140
LEAD	N	1	0	1	0	0	1,139	0	0	0	0	0	0
Total for FEDERAL CORRECTIONAL COMPLEX		1	0	1	0	0	1,139	0	0	0	0	0	0
PRINCE GEORGE	U.S. ARMY GARRISON FORT LEE VA - RANGES							825, 19TH STREET, BLDG 6005				NAICS Code	928110
LEAD	N	12	0	12	0	0	548	0	0	0	0	0	0
Total for U.S. ARMY GARRISON FORT LEE VA -		12	0	12	0	0	548	0	0	0	0	0	0
Total for Above County : (2 records)		13	0	13	0	0	1,687	0	0	0	0	0	0
PRINCE WILLIAM	BAE SYSTEMS INFORMATION & ELECTRONIC SYSTEMS INTEGRAT							9300 WELLINGTON RD				NAICS Code	334419
LEAD	N	0	2	2	0	0	2	0	0	0	0	0	107
Total for BAE SYSTEMS INFORMATION & ELEC		0	2	2	0	0	2	0	0	0	0	0	107
PRINCE WILLIAM	MANASSAS READY MIX CONCRETE							7310 OLD COMPTON RD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	2
MERCURY COMPOUNDS	N	1	1	2	0	0	2	0	0	0	0	0	0
Total for MANASSAS READY MIX CONCRETE		1	1	2	0	0	2	0	0	0	0	0	2
PRINCE WILLIAM	TITAN VIRGINIA READY-MIX LLC-DUMFRIES PLANT							3454 CANAL RD				NAICS Code	327320

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Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-DUM		0	0	0	0	0	0	0	0	0	0	0	0
PRINCE WILLIAM	US MARINE CORPS BASE QUANTICO RANGE COMPLEX							3250 CATLIN AVE				NAICS Code	928110
LEAD COMPOUNDS	N	86	0	87	0	0	78,940	0	0	0	0	0	0
Total for US MARINE CORPS BASE QUANTICO		86	0	87	0	0	78,940	0	0	0	0	0	0
PRINCE WILLIAM	VIRGINIA CONCRETE DUMFRIES PLANT							217 CANAL RD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE DUMFRIES PLA		0	0	0	0	0	0	0	0	0	0	0	0
PRINCE WILLIAM	VIRGINIA CONCRETE GAINESVILLE PLANT							7300 RAIL LINE CT				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE GAINESVILLE PL		0	0	0	0	0	0	0	0	0	0	0	0
PRINCE WILLIAM	VIRGINIA CONCRETE WOODBRIDGE PLANT							936 ANNAPOLIS WAY				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE WOODBRIDGE P		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (8 records)		87	3	90	0	0	78,943	0	0	0	0	0	109
PULASKI	JAMES HARDIE BUILDING PRODUCTS PULASKI							1000 JAMES HARDIE WAY				NAICS Code	327390
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	909
MERCURY	N	0	0	0	0	0	0	0	0	0	0	0	2
Total for JAMES HARDIE BUILDING PRODUCTS		0	0	0	0	0	0	0	0	0	0	0	910
Total for Above County : (2 records)		0	0	0	0	0	0	0	0	0	0	0	910
RICHMOND	SONOCO RICHMOND							1850 COMMERCE RD				NAICS Code	322130
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	15
Total for SONOCO RICHMOND		0	0	0	0	0	0	0	0	0	0	0	15
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	15

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2021 Toxics Release Inventory

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
ROANOKE	ELBIT SYSTEMS OF AMERICA - NIGHT VISION LLC							7635 PLANTATION RD				NAICS Code	333314
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	306
Total for ELBIT SYSTEMS OF AMERICA - NIGHT		0	0	0	0	0	0	0	0	0	0	0	306
ROANOKE	KOPPERS INC (ROANOKE)							4020 KOPPERS RD				NAICS Code	321114
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	147	0	147	0	8
POLYCYCLIC AROMATIC COMPOU	N	1	2	3	0	0	4	0	47,511	7	47,518	0	2,535
Total for KOPPERS INC (ROANOKE)		1	2	3	0	0	4	0	47,658	7	47,665	0	2,542
ROANOKE	MEDECO SECURITY LOCKS INC.							3625 ALLEGHENY DR				NAICS Code	332510
LEAD	N	0	0	0	0	1	1	0	0	0	0	0	22,098
Total for MEDECO SECURITY LOCKS INC.		0	0	0	0	1	1	0	0	0	0	0	22,098
ROANOKE	NEW MILLENNIUM BUILDING SYSTEMS							100 DIUGUIDS LANE				NAICS Code	332312
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	7,338
Total for NEW MILLENNIUM BUILDING SYSTEM		0	0	0	0	0	0	0	0	0	0	0	7,338
ROANOKE	SAFETY-KLEEN SYSTEMS VINTON (ROA)							16090 STEWARTSVILLE RD				NAICS Code	562112
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	40
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	3,549
Total for SAFETY-KLEEN SYSTEMS VINTON (R		0	0	0	0	0	0	0	0	0	0	0	3,589
ROANOKE	YOKOHAMA TIRE MANUFACTURING VIRGINIA LLC							1500 INDIANA ST				NAICS Code	326211
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	1
LEAD COMPOUNDS	N	1	0	1	0	0	1	0	0	0	0	0	3
POLYCYCLIC AROMATIC COMPOU	N	0	1	1	0	0	1	0	0	0	0	0	3
Total for YOKOHAMA TIRE MANUFACTURING VI		1	1	1	0	0	1	0	0	0	0	0	7
Total for Above County : (10 records)		2	3	5	0	1	6	0	47,658	7	47,665	0	35,880
ROANOKE (CITY)	ASSOCIATED ASPHALT ROANOKE, LLC							2677 ROANOKE AVE SW				NAICS Code	424710

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Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	15	15	0	0	15	0	0	0	0	0	0
Total for ASSOCIATED ASPHALT ROANOKE, LL		0	15	15	0	0	15	0	0	0	0	0	0
ROANOKE (CITY)								102 WESTSIDE BLVD				NAICS Code	331110
LEAD COMPOUNDS	N	15	117	132	0	45	177	0	0	0	0	0	185,990
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for STEEL DYNAMICS INC ROANOKE BAR		15	117	132	0	45	177	0	0	0	0	0	185,990
Total for Above County : (4 records)		15	132	147	0	45	192	0	0	0	0	0	185,990
ROCKBRIDGE								210 STONE SPRING RD				NAICS Code	327332
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC-HA		0	0	0	0	0	0	0	0	0	0	0	0
ROCKBRIDGE								9223 MAURY RIVER RD				NAICS Code	321114
BENZO[G,H,I]PERYLENE	N	1	0	1	0	0	1	0	0	0	0	0	33
POLYCYCLIC AROMATIC COMPOU	N	19	2	21	0	1	21	0	0	0	0	0	1,847
Total for STELLA JONES CORP-GOSHEN FACILI		19	2	21	0	1	22	0	0	0	0	0	1,880
Total for Above County : (3 records)		19	2	21	0	1	22	0	0	0	0	0	1,880
ROCKINGHAM								1526 COUNTY CLUB RD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for SUPERIOR CONCRETE INC-HARRISO		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (2 records)		0	0	0	0	0	0	0	0	0	0	0	0
SALEM (CITY)								2101 SALEM INDUSTRIAL DR				NAICS Code	324121
POLYCYCLIC AROMATIC COMPOU	N	0	3	3	0	0	3	0	4,455	0	4,455	0	0
Total for BOXLEY SALEM ASPHALT PLANT		0	3	3	0	0	3	0	4,455	0	4,455	0	0
SALEM (CITY)								2000 SALEM INDUSTRIAL DR				NAICS Code	327332

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC-SAL		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (2 records)		0	3	3	0	0	3	0	4,455	0	4,455	0	0
SOUTHAMPTON	ATLANTIC POLE & PILING - NEWSOMS							21366 GENERAL THOMAS HWY				NAICS Code	321114
LEAD	N	0	1	1	0	0	2	0	0	0	0	0	1
Total for ATLANTIC POLE & PILING - NEWSOMS		0	1	1	0	0	2	0	0	0	0	0	1
Total for Above County : (1 record)		0	1	1	0	0	2	0	0	0	0	0	1
SPOTSYLVANIA	OLDCASTLE PRECAST INC							5115 MASSAPONAX CHURCH RD				NAICS Code	327390
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	31
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	11
Total for OLDCASTLE PRECAST INC		0	0	0	0	0	0	0	0	0	0	0	42
SPOTSYLVANIA	SPOTSYLVANIA PLANT							8520 INDIAN HILLS CT.				NAICS Code	327320
LEAD	N	242	0	242	0	0	242	0	0	0	0	0	0
Total for SPOTSYLVANIA PLANT		242	0	242	0	0	242	0	0	0	0	0	0
SPOTSYLVANIA	VIRGINIA CONCRETE SPOTSYLVANIA PLANT							6110 SMITH STATION ROAD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE SPOTSYLVANIA		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (4 records)		242	0	242	0	0	242	0	0	0	0	0	42
STAFFORD	FTG CORP.							1026 WARRENTON RD				NAICS Code	334412
LEAD	N	0	0	0	0	0	0	0	0	0	0	3	0
Total for FTG CORP.		0	0	0	0	0	0	0	0	0	0	3	0
STAFFORD	STAFFORD PLANT							169 WYCHE RD				NAICS Code	327320
LEAD	N	223	0	223	0	0	223	0	0	0	0	0	0
Total for STAFFORD PLANT		223	0	223	0	0	223	0	0	0	0	0	0

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Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
STAFFORD	TITAN VIRGINIA READY-MIX LLC-STAFFORD PLANT							48 POWELL LN				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-STAF		0	0	0	0	0	0	0	0	0	0	0	0
STAFFORD	VIRGINIA CONCRETE-STAFFORD PLANT							32 WYCHE RD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE-STAFFORD PLA		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (4 records)		223	0	223	0	0	223	0	0	0	0	3	0
VIRGINIA BEACH (CITY)	TITAN VIRGINIA READY-MIX LLC-OCEANA PLANT							160 OCEANA BLVD.				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-OCE		0	0	0	0	0	0	0	0	0	0	0	0
VIRGINIA BEACH (CITY)	US NAVY FLEET COMBAT TRAINING CENTER ATL DAM NECK RAN							1912 REGUL US AVE				NAICS Code	928110
LEAD	N	0	0	0	0	0	5,843	0	0	0	0	0	0
Total for US NAVY FLEET COMBAT TRAINING C		0	0	0	0	0	5,843	0	0	0	0	0	0
VIRGINIA BEACH (CITY)	US NAVY JOINT EXPEDITIONARY FORT STORY RANGE							300 ATLANTIC AVENUE				NAICS Code	928110
LEAD	N	0	0	0	0	0	247	0	0	0	0	0	0
Total for US NAVY JOINT EXPEDITIONARY FOR		0	0	0	0	0	247	0	0	0	0	0	0
VIRGINIA BEACH (CITY)	US NAVY JOINT EXPEDITIONARY LITTLE CREEK RANGE							2600 TARAWA CT SUITE 100				NAICS Code	928110
LEAD	N	0	0	0	0	0	6,580	0	0	0	0	0	0
LEAD COMPOUNDS	N	7	0	7	0	0	7	0	0	0	0	0	0
Total for US NAVY JOINT EXPEDITIONARY LITT		7	0	7	0	0	6,588	0	0	0	0	0	0
Total for Above County : (5 records)		7	0	7	0	0	12,678	0	0	0	0	0	0
WARREN	INTERBAKE FOODS							200 BAKER PLAZA				NAICS Code	311812
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for INTERBAKE FOODS		0	0	0	0	0	0	0	0	0	0	0	0

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** TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

2021 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
WARREN	US CBP CANINE TRAINING FACILITY FIRING RANGE #VA0040							828 HARMONY HOLLOW RD				NAICS Code	922120
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for US CBP CANINE TRAINING FACILITY F		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (2 records)		0	0	0	0	0	0	0	0	0	0	0	0
WASHINGTON	AZZ GALVANIZING-BRISTOL							14781 INDUSTRIAL PARK RD				NAICS Code	332812
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	35
Total for AZZ GALVANIZING-BRISTOL		0	0	0	0	0	0	0	0	0	0	0	35
WASHINGTON	COLUMBUS MCKINNON CORP							22364 JEB STUART HWY				NAICS Code	333923
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for COLUMBUS MCKINNON CORP		0	0	0	0	0	0	0	0	0	0	0	0
WASHINGTON	METAL CASTING CO							15331 INDUSTRIAL PARK ROAD				NAICS Code	331523
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for METAL CASTING CO		0	1	1	0	0	1	0	0	0	0	0	0
WASHINGTON	MXI ENVIRONMENTAL SERVICES, LLC							26319 OLD TRAIL RD (ST RTE 679)				NAICS Code	562111
CHLORDANE	N	0	0	0	0	0	0	0	0	0	0	0	3
HEPTACHLOR	N	0	0	0	0	0	0	0	0	0	0	0	3
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	37,958
MERCURY	N	0	0	0	0	0	0	0	0	0	0	0	2,038
METHOXYCHLOR	N	0	0	0	0	0	0	0	0	0	0	0	3
Total for MXI ENVIRONMENTAL SERVICES, LLC		0	0	0	0	0	0	0	0	0	0	0	40,005
WASHINGTON	WOLF HILLS FABRICATORS, LLC							26161 OLD TRAIL RD				NAICS Code	332313
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for WOLF HILLS FABRICATORS, LLC		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (9 records)		0	1	1	0	0	1	0	0	0	0	0	40,040

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** TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

2021 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
WESTMORELAND	CARRY-ON TRAILER CORP							159 INDUSTRIAL PARK RD				NAICS Code	336212
LEAD	N	1	0	1	0	0	1	0	0	0	0	0	119
Total for CARRY-ON TRAILER CORP		1	0	1	0	0	1	0	0	0	0	0	119
Total for Above County : (1 record)		1	0	1	0	0	1	0	0	0	0	0	119
WINCHESTER (CITY)	O'SULLIVAN FILMS INC							1944 VALLEY AVE				NAICS Code	326113
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	1
Total for O'SULLIVAN FILMS INC		0	0	0	0	0	0	0	0	0	0	0	1
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	1
WISE	VIRGINIA CITY HYBRID ENERGY CENTER							3425 RUSSELL CREEK RD				NAICS Code	221112
DIOXIN AND DIOXIN-LIKE COMPO	N	0	2	2	0	0	2	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	73	73	0	0	8,519	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	0	0	0	0	104	0	0	0	0	0	0
Total for VIRGINIA CITY HYBRID ENERGY CENT		0	75	75	0	0	8,625	0	0	0	0	0	0
Total for Above County : (3 records)		0	75	75	0	0	8,625	0	0	0	0	0	0
YORK	AFETA CAMP PEARY							1100 EXECUTIVE DRIVE				NAICS Code	928110
LEAD	N	35	0	35	0	0	35	0	0	0	0	0	0
Total for AFETA CAMP PEARY		35	0	35	0	0	35	0	0	0	0	0	0
YORK	U.S NAVY CHEATHAM ANNEX BASE							108 SANDA AVE BLDG 270				NAICS Code	928110
LEAD	N	0	0	0	0	0	2,390	0	0	0	0	0	20,192
Total for U.S NAVY CHEATHAM ANNEX BASE		0	0	0	0	0	2,390	0	0	0	0	0	20,192
YORK	US NAVY YORKTOWN NAVAL WEAPONS STATION BASE							160 MAIN RD.				NAICS Code	928110
LEAD	N	2	0	2	0	0	5,185	0	0	0	0	0	0
Total for US NAVY YORKTOWN NAVAL WEAPO		2	0	2	0	0	5,185	0	0	0	0	0	0
YORK	YORKTOWN POWER STATION							1600 WATERVIEW RD				NAICS Code	221112

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** TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

2021 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for YORKTOWN POWER STATION		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (5 records)		37	0	37	0	0	7,610	0	0	0	0	0	20,192

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** TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

Appendix H-1 - 2021 VA TRI NAICS Code Ranking by On-Site Releases

APPENDIX H-1 - 2021 VA TRI NAICS Code Ranking by On-Site Releases

NAICS Subsector	General Type of Industry	Count	Total On-Site Release (Pounds)
325	Chemical Manufacturing	218	13,585,398
322	Paper Manufacturing	88	5,440,809
324	Petroleum and Coal Products Manufacturing	18	1,354,059
332	Fabricated Metal Product Manufacturing	101	1,243,802
311	Food Manufacturing	71	1,229,275
326	Plastics and Rubber Products Manufacturing	72	1,175,249
221	Utilities	72	1,165,721
312	Beverage and Tobacco Product Manufacturing	11	390,882
928	National Security & International Affairs	52	378,035
321	Wood Product Manufacturing	54	246,996
	All Other NAICS	502	855,547
336	Transportation Equipment Manufacturing	65	210,972
327	Nonmetallic Mineral Product Manufacturing	106	160,651
337	Furniture and Related Product Manufacturing	12	159,995
331	Primary Metal Manufacturing	47	158,239
334	Computer and Electronic Product Manufacturing	24	63,196
323	Printing and Related Support Activities	8	27,964
333	Machinery Manufacturing	35	20,844
335	Electrical Equipment, Appliance, and Component Manufacturing	13	16,745
331	Aluminum castings (except die-castings), unfinished, manufacturing	2	15,004
424	Merchant Wholesalers, Nondurable Goods	136	10,077
339	Miscellaneous Manufacturing	8	5,030
922	Justice, Public Order, and Safety Activities	2	2,810
325	Medicinal and Botanical Manufacturing	4	1,809
425	Wholesale Electronic Markets and Agents and Brokers	6	1,555
313	Textile Mills	5	233
314	Textile Product Mills	3	226
927	Space Research and Technology	1	160
212	Mining (Except Oil and Gas)	1	28
562	Waste Management and Remediation Services	13	3
922	Other Justice, Public Order, and Safety Activities	1	2
336	Motor Vehicle Body Manufacturing	1	2
321	Wood Container and Pallet Manufacturing	1	1

NAICS Subsector	General Type of Industry	Count	Total On- Site Release (Pounds)
922	Police Protection	2	0
323	Fabricated Metal Product Manufacturing	2	0
325	Toilet Preparation Manufacturing	1	0
454	Nonstore Retailers	3	0

Appendix H-2 - 2021 VA TRI NAICS Code Ranking by On-Site Management

APPENDIX H-2 - 2021 VA TRI NAICS Code Ranking by On-Site Management

NAICS Subsector	General Type of Industry	Count	Total On-Site Treatment (Pounds)
325	Chemical Manufacturing	218	356,904,124
322	Paper Manufacturing	88	40,387,520
311	Food Manufacturing	71	14,326,379
332	Fabricated Metal Product Manufacturing	101	7,344,953
326	Plastics and Rubber Products Manufacturing	72	6,740,210
221	Utilities	72	1,822,676
334	Computer and Electronic Product Manufacturing	24	1,676,886
336	Transportation Equipment Manufacturing	65	1,390,844
321	Wood Product Manufacturing	54	1,202,383
339	Miscellaneous Manufacturing	8	490,816
	All Other NAICS	486	1,325,219
314	Textile Product Mills	3	489,984
312	Beverage and Tobacco Product Manufacturing	11	368,626
327	Nonmetallic Mineral Product Manufacturing	106	208,691
928	National Security & International Affairs	52	122,128
337	Furniture and Related Product Manufacturing	12	52,928
331	Primary Metal Manufacturing	47	37,785
424	Merchant Wholesalers, Nondurable Goods	136	22,098
323	Printing and Related Support Activities	8	9,415
324	Petroleum and Coal Products Manufacturing	18	9,243
335	Electrical Equipment, Appliance, and Component Manufacturing	13	2,280
313	Textile Mills	5	2,041
927	Space Research and Technology	1	0
922	Police Protection	2	0
922	Other Justice, Public Order, and Safety Activities	1	0
922	Justice, Public Order, and Safety Activities	2	0
321	Wood Container and Pallet Manufacturing	1	0
562	Waste Management and Remediation Services	13	0
331	Aluminum castings (except die-castings), unfinished, manufacturing	2	0
323	Fabricated Metal Product Manufacturing	2	0
333	Machinery Manufacturing	35	0

NAICS Subsector	General Type of Industry	Count	Total On-Site Treatment (Pounds)
425	Wholesale Electronic Markets and Agents and Brokers	6	0
325	Medicinal and Botanical Manufacturing	4	0
325	Toilet Preparation Manufacturing	1	0
212	Mining (Except Oil and Gas)	1	0
336	Motor Vehicle Body Manufacturing	1	0
454	Nonstore Retailers	3	0

**Appendix I-1 - 2021 VA TRI Facility Ranking
by On-Site Releases**

Appendix I-1

2021 Toxics Release Inventory

APPENDIX I-1 - 2021 VA TRI FACILITY RANKING BY ON-SITE RELEASES

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
1	BAE Systems, Ordnance Systems Inc	10,314,379	Radford Army Ammunition Plant 4050 Peppers Ferry Rd	Radford	Montgomery	24141RDFRDPOBOX
2	Westrock Virginia Corporation (Entire)	2,345,601	104 E. Riverside Street	Covington	Covington (City)	24426WSTVCRIVER
3	Advansix Inc Hopewell Plant	1,562,126	905 E Randolph Rd	Hopewell	Hopewell (City)	23860LLDSGPOBOX
4	Jewell Coke Co LP	1,354,051	1034 Dismal River Rd	Oakwood	Buchanan	24656JWLLCHWY46
5	International Paper Franklin Mill	1,075,510	34040 Union Camp Dr	Franklin	Isle Of Wight	23851NNCMPHIGHW
6	Westrock CP, LLC	825,770	1901 Main St	West Point	King William	23181CHSPK19THM
7	Ball Metal Beverage Container Corp	616,603	8935 Pocahontas Trail James River Commerce Center	Williamsburg	James City	23185BLLPC8935P
8	Georgia-Pacific Big Island Mill	492,115	9363 Lee-Jackson Hwy	Big Island	Bedford	24526NKSPCHIGHW
9	Doswell LP	488,099	10098 Old Ridge Rd	Ashland	Hanover	23005DSWLL10098
10	Spruance Plant	455,062	5401 Jefferson Davis Hwy	North Chesterfield	Chesterfield	23234DPNTSUSHIG
11	BWXT Nuclear Operations Group, Inc.	454,434	1570 Mount Athos Rd	Lynchburg	Campbell	24504BBCKMTATH

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2021 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
12	Perdue Agribusiness LLC-Chesapeake Va	390,040	501A Barnes Rd	Chesapeake	Chesapeake (City)	23324CRGLL501BA
13	Honeywell International Colonial Heights Plant	358,764	15801 Woods Edge Rd	Colonial Heights	Chesterfield	23832LLDSGEXIT5
14	Celanese Acetate LLC - Celco Plant	356,058	3520 Virginia Ave	Narrows	Giles	24124HCHSTR460
15	Greif Packaging LLC	355,790	861 Fibre Plant Rd	Amherst	Amherst	24521VRGNFROUTE
16	Westrock CP LLC	346,023	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
17	Virginia City Hybrid Energy Center	273,229	3425 Russell Creek Rd	Saint Paul	Wise	2428WVRGNC3425R
18	Philip Morris USA Park 500 Site	270,787	4100 Bermuda Hundred Rd	Chester	Chesterfield	23831PHLLP4100B
19	Eastman Performance Films, LLC - Plant II	259,649	4129 The Great Rd	Fieldale	Henry	24089MRTNPRTE68
20	Chesterfield Power Station	240,400	500 Coxendale Rd	Chester	Chesterfield	23836CHSTR500CO
21	Perdue Farms Accomack Processing Plant	237,119	22520 Lankford Hwy	Accomac	Accomack	23301PRDNCROUTE
22	Ashland Specialty Ingredients Gp	232,157	1111 Hercules Rd	Hopewell	Hopewell (City)	23860QLNCM1111H
23	Aquatic Co	210,935	1100 Industrial Park Rd Halifax Industrial Park	South Boston	Halifax	24592PHLPSPPOBOX
24	Church & Dwight Co Inc	186,336	1851 Touchstone Rd	Colonial Heights	Chesterfield	23834LDNCR16101
25	Clover Power Station	154,888	4091 Clover Rd	Clover	Halifax	24534CLVRPRTE92

Virginia TRI Report – Summary of Data
from 2021 Facility Reports (issued March 2023)

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2021 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
26	US Marine Corps Base Quantico Range Complex	143,530	3250 Catlin Ave	Quantico	Prince William	22134SDDSM3040M
27	Griffin Pipe Products Co	142,102	10 Adams St	Lynchburg	Lynchburg (City)	24505GRFFNADAMS
28	New Market Poultry LLC	116,400	145 Old East Cross Road	New Market	Shenandoah	2284WNWMRK145LD
29	Mondelez Global LLC	111,376	6002 S Laburnum Ave	Richmond	Richmond	23231NBSCB6002S
30	Eastman Performance Films, LLC-Axton Facility	109,312	47 Brenda Dr	Axton	Henry	24054CMMNWRT58S
31	US Army National Guard Fort Pickett (Ranges)	108,026	Us Pfo Building 316 Fort Pickett	Blackstone	Nottoway	23824SRMYM316RI
32	Huber Engineered Woods LLC	101,700	1000 Chaney Ln	Crystal Hill	Halifax	24539JMHBRRT3HW
33	Vaughan-Bassett Furniture Co. Galax	90,883	300 E Grayson St	Galax	Carroll	24333VGHNBOLDTO
34	Georgia-Pacific Wood Products LLC - Brookneal OSB	85,007	11795 Brookneal Highway	Gladys	Campbell	24554GRGPCHIGHW
35	Tyson Farms Inc-Temperanceville	77,240	11224 Lankford Hwy	Temperanceville	Accomack	23442HLLYFUSHIG
36	Huntington Ingalls Incorporated	74,694	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W

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2021 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
37	Lhoist NA of Virginia Inc Kimballton Area 1	69,970	2093 Big Stony Creek Rd	Ripplemead	Giles	24150CHMCL2093B
38	VPGC LLC Hinton Facility	67,412	6349 Rawley Pike Hwy 33 We	Hinton	Rockingham	22831WMPLRUSRT3
39	Intertape Polymer Corp	62,744	1101 Eagle Springs Rd	Danville	Pittsylvania	24540NTRTPSTATE
40	Virginia Marble Manufacturers Inc	59,849	Corner Of Brunswick & Oak St	Kenbridge	Lunenburg	23944VRGNMCORNE
41	Omega Protein Corporation	56,964	610 Menhaden Rd	Reedville	Northumberland	22530ZPTHYPOBOX
42	US Army Fort Ap Hill Ranges (Part)	56,533	19952 North Range Rd	Bowling Green	Caroline	22427SRMYF18902
43	Micron Technology Inc.	55,598	9600 Godwin Dr	Manassas	Prince William	20110DMNNS9600G
44	Akzo Nobel Coatings Inc	54,534	2837 Roanoke Ave SW	Roanoke	Roanoke (City)	24015RLNCN2837R
45	Kingspan Insulation LLC	52,659	200 Kingspan Way	Winchester	Frederick	22601MCFMPROUTE
46	Dynax America Corp	50,507	568 E Park Dr	Roanoke	Botetourt	24019DYNXM568EP
47	Smithfield Fresh Meats Corp Smithfield, VA Facility	48,676	601 N Church St	Smithfield	Isle Of Wight	23430GWLTNHIGHW
48	George's Chicken LLC	48,075	19992 Senedo Rd	Edinburg	Shenandoah	22824RCCFRRTE42
49	Roanoke Cement Co LLC	47,604	6071 Catawba Rd	Troutville	Botetourt	24175RNKCM5555C
50	Ingevity Virginia Corporation	45,646	958 E Riverside St	Covington	Covington (City)	2442WNGVTY958ER

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2021 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
51	New Millennium Building Systems	44,449	100 Diuguids Lane	Salem	Roanoke	24153JHNWH2535D
52	Appalachian Plastics Inc.	43,677	34001 Glove Dr	Glade Spring	Washington	24340PPLCHPOBOX
53	The Lycra Company LLC	43,018	400 Du Pont Blvd	Waynesboro	Augusta	22980DPNTWDUPON
54	JTI Leaf Services (US) LLC	39,919	202 Stinson Drive	Danville	Pittsylvania	2454WJTLFS22STI
55	MICA Co of Canada Inc	37,787	900 Jefferson Ave	Newport News	Newport News (City)	23607MCCMP900JE
56	Molson Coors Shenandoah Brewery	36,343	5135 S Eastside Hwy	Elkton	Rockingham	22827DLPHCROUTE
57	Wolverine Advanced Materials	36,020	3175 State St	Blacksburg	Montgomery	24060WLVRN3175S
58	Anheuser-Busch LLC	34,741	7801 Pocahontas Trail	Williamsburg	James City	23185NHSRB7801P
59	Tyson Farms Inc. - Processing Facility	33,020	13264 Mountain Rd	Glen Allen	Hanover	20360HLLYF3301U
60	Virginia Marble Manufacturers Inc	31,519	1201 5Th Ave	Kenbridge	Lunenburg	23944VRGNMPOBOX
61	Strongwell Corp Bristol	30,539	400 Commonwealth Ave	Bristol	Bristol (City)	24203MRRSN400CO
62	Trinity Packaging Corporation	30,198	90 Industrial Avenue	Rocky Mount	Franklin	2415WTRNTY9INDU
63	Cabinetworks Group - Mount Jackson Plant	29,979	1325 Industrial Park Rd	Mount Jackson	Shenandoah	22842MRLLTSTATE

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2021 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
64	Alliant Techsystems Operations LLC (New River Energetics)	28,660	Rt 114 Radford Army Ammunition Plant	Radford	Montgomery	24141NWRVRRTE11
65	Georgia Pacific Wood Products LLC Emporia Plywood	27,863	634 Davis St	Emporia	Greenville	23847GRGPCDAVIS
66	Axalta Coating Systems USA LLC-Front Royal Plant	27,428	7961 Winchester Rd	Front Royal	Warren	22630DPNTFPOBOX
67	Volvo Group North America, LLC	26,447	4881 Cougar Trail Road	Dublin	Pulaski	24084VLVGMROUTE
68	Colonna's Shipyard Inc	24,139	400 E Indian River Rd	Norfolk	Norfolk (City)	23523CLNNS400EI
69	Trivium Packaging USA, Inc	23,805	5022 Hollins Rd	Roanoke	Roanoke (City)	2401WRDGHM522HL
70	Kinyo Virginia Inc	23,680	290 Enterprise Dr	Newport News	Newport News (City)	23603KNYVR290EN
71	U.S. Navy Norfolk Naval Shipyard	23,400	Intersection of Effingham St & George Washington Hwy	Portsmouth	Portsmouth (City)	23709SDDSNINTER
72	Bellwood Printing Plant	22,156	2001 Reymet Rd	Richmond	Chesterfield	23237BLLWD2001R
73	Bassett Plant 11	21,332	Patriot Centre at Beaver Creek	Martinsville	Henry	24112BSSTTPATRI
74	Columbia Forest Products	20,932	100 Paul Rd SW	Chatham	Pittsylvania	24531CLMBF1PAUL

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
75	Fujifilm Wako Chemicals USA Corp	20,750	1600 Bellwood Rd	Richmond	Chesterfield	23237WKCHM1600B
76	US/Navy Naval Support Activity Northwest Annex Range	18,473	1320 NW Blvd Suite 100	Chesapeake	Chesapeake (City)	23322SNVYN132NW
77	Cabinetworks Group - Culpeper Plant	17,792	641 Maddox Dr	Culpeper	Culpeper	22701WDCBN641MA
78	Valley Proteins Inc Linville Facility	17,500	6230 Kratzer Rd	Linville	Rockingham	22834VLLYP623KR
79	CP Films, Inc.	17,014	345 Beaver Creek Dr	Martinsville	Henry	24112CMMNW345BE
80	River Pools And Spas	16,976	196 Selftown Rd	Warsaw	Richmond	2257WRVRPL196SE
81	Ball Advanced Aluminum Technologies Corp	15,004	56 Dunsmore Rd	Verona	Augusta	24482NMNSLLAURE
82	HAPCO	14,933	26252 Hillman Highway	Abingdon	Washington	2421WHPCXX26252
83	Solenis LLC	14,516	27123 Shady Brook Trail	Courtland	Southampton	23851HRCLSROUTE
84	Nibco of Virginia Inc.	14,382	131 Johnson Drive	Stuarts Draft	Augusta	24477NBCNCROUTE
85	Valley Proteins Inc-Winchester Facility	13,864	1635 Indian Hollow Rd	Winchester	Frederick	22603VLLYP1444I
86	BAE Systems Norfolk Ship Repair	13,633	750 W Berkley Ave	Norfolk	Norfolk (City)	23501NRFLKFOOTO
87	STIHL Inc	13,494	536 Viking Dr	Virginia Beach	Virginia Beach (City)	23450STHLN536VI

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
88	Nucor Insulated Panel Group	13,100	6001 Quality Way	Prince George	Prince George	23875MTLSP6001Q
89	Carry-On Trailer Corp	12,290	159 Industrial Park Rd	Montross	Westmoreland	22520CRRYN159IN
90	Danchem Technologies Inc	10,968	1975 Old Richmond Rd	Danville	Pittsylvania	24540DNRVRSTATE
91	Ennis-Flint Richmond	9,560	4400 Vawter Ave	Richmond	Henrico	23222DGLSC4400V
92	Philip Morris USA Commerce Road Site	9,092	3601 Commerce Rd	Richmond	Richmond (City)	23234PHLLP3601C
93	Wolverine Advanced Materials	8,993	201 Industrial Park Rd	Blacksburg	Montgomery	24060WLVRN201IN
94	Aleris Rolled Products Inc	8,709	1701 Reymet Rd	Richmond	Chesterfield	23237TRNST1801R
95	Virginia Transformer Corp	8,328	201 Transformer Way	Troutville	Botetourt	2417WVRGNT21TRA
96	Virginia Transformer Corp.	8,164	220 Glade View Dr NE	Roanoke	Roanoke	24012VRGNT220GL
97	Federal Mogul Powertrain LLC.	8,051	300 Industrial Park Rd SE	Blacksburg	Montgomery	24060FDRLMRT460
98	Possum Point Power Station	7,870	19000 Possum Point Rd	Dumfries	Prince William	22026PSSMP19000
99	UPACO Adhesives Inc	7,866	4105 Castlewood Rd	Richmond	Richmond (City)	23234PCDHS4105C
100	Solenis LLC	7,672	2301 Wilroy Rd	Suffolk	Suffolk (City)	23434LLDCL2301W
101	Stella Jones Corp-Goshen Facility	7,577	9223 Maury River Rd	Goshen	Rockbridge	24439THBRKSTATE
102	Strongwell Corp Highlands DIV	7,472	26770 Newbanks Rd	Abingdon	Washington	24210STRNG26770

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103	Evolve Stone LLC	7,123	200 Lenoir Drive	Winchester	Frederick	2260WVLVST2LENI
104	Merck Sharp & Dohme Corp.	7,014	2778 SE Side Hwy	Elkton	Rockingham	22827MRCKCHIGHW
105	US Navy Joint Expeditionary Little Creek Range	6,588	2600 Tarawa Ct Suite 100	Virginia Beach	Virginia Beach (City)	23521SDDSN2600T
106	Fiberglass Engineering Co	6,196	5019 Airport Rd	Midland	Fauquier	22728FBRGLWARRE
107	Arkema Inc	5,975	601 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531SRTMR601TI
108	US Navy Fleet Combat Training Center Atl Dam Neck Range	5,843	1912 Regul Us Ave	Virginia Beach	Virginia Beach (City)	23461SNVYF1912R
109	RPS Composites Virginia, Inc.	5,459	211 E 4th St	Front Royal	Warren	22630SHNND210E4
110	TTM Technologies North America, LLC.	5,400	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S
111	South Atlantic Galvanizing LLC	5,302	11022 Lewistown Rd	Ashland	Hanover	23005VRGNGSTATE
112	Steelfab of Virginia Inc	5,258	1510 Reese St	Emporia	Greensville	23847STFBF1510R
113	US Navy Yorktown Naval Weapons Station Base	5,185	160 Main Rd.	Yorktown	York	2369WSNVYYRUTE2
114	Sterilization Services of Virginia	5,025	5674 Eastport Blvd	Henrico	Henrico	23231STRLZ5674E

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115	Slocum Adhesives Corporation	4,988	1409 Buchanan St	Lynchburg	Lynchburg (City)	24501SLCMC1409B
116	Joint Base Langley Eustis-Eustis (JBLE-Eustis) Ranges	4,643	705 Washington Blvd	Fort Eustis	Newport News (City)	23604SDDSRFORTE
117	Veolia James River Plant	4,499	1201 Bellwood Rd	Richmond	Chesterfield	23237DPNTJ1201B
118	Monogram Snacks Martinsville LLC	4,442	200 Knauss Drive	Martinsville	Henry	2411WMNGRM2KNAU
119	QG Printing II Corp	4,309	160 Century Ln Stonewall Ind Us Trial Park	Winchester	Frederick	22603QBCRW16CEN
120	Rexnord Industries LLC	4,062	150 Johnson Dr	Stuarts Draft	Augusta	24477PTCMPRTS34
121	Yokohama Tire Manufacturing Virginia LLC	3,958	1500 Indiana St	Salem	Roanoke	24153MHWKR1500I
122	Polynt Composites USA Inc.	3,801	920 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531FRMNRPITTS
123	Steel Dynamics Inc Roanoke Bar DIV	3,723	102 Westside Blvd	Roanoke	Roanoke (City)	24017RNKLC102WE
124	Pilgrim's Pride Corp Broadway Facility	3,377	330 Co-Op Dr	Timberville	Rockingham	22853RCKNGCOOPD
125	Mar-Bal, Inc.	3,111	5400 Reserve Way	Dublin	Pulaski	24084MRBLN5400R
126	American Gfm Corp	3,066	1200 Cavalier Blvd	Chesapeake	Chesapeake (City)	23323MRCNG1200C

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
127	Chaparral (Va) Inc	2,409	25801 Hofheimer Way	Petersburg	Dinwiddie	23803CHPRR25801
128	U.S Navy Cheatham Annex Base	2,390	108 Sanda Ave Bldg 270	Williamsburg	York	23185SNVYC18SAN
129	Evonik Industries	2,369	914 E Randolph Rd	Hopewell	Hopewell (City)	23860GLDSC914ER
130	Lake Region Medical, Inc	2,231	200 S Yorkshire St	Salem	Salem (City)	24153NBLMT200SY
131	Canon Virginia Inc	2,195	12000 Canon Blvd	Newport News	Newport News (City)	23606CNNVR12000
132	O'Sullivan Films Inc	2,069	1944 Valley Ave	Winchester	Winchester (City)	22601SLLVN1944V
133	Allied Aviation Fueling Co Inc	2,025	Ronald Reagan National Airport	Arlington	Arlington	22202GDNVTRONAL
134	Motiva Fairfax Terminal	2,017	3800 Pickett Rd	Fairfax	Fairfax (City)	22031FRFXT3800P
135	Koppers Inc (Roanoke)	1,895	4020 Koppers Rd	Salem	Roanoke	24153KPPRSRT460
136	Smithfield Fresh Meats Corp	1,846	501 N Church St	Smithfield	Isle Of Wight	2343WSMTHF51NCH
137	Eastman Performance Films, LLC-Plant 1	1,834	4210 The Great Rd	Fieldale	Henry	24089MRTNPROUTE
138	Ampac Fine Chemicals Virginia LLC	1,809	2820 N Normandy Drive	Petersburg	Petersburg (City)	23805LLBRT2999F
139	Chemsolv Inc	1,761	1140 Industry Ave SE	Roanoke	Roanoke (City)	24013CHMSL1140I
140	Menzies Aviation Fueling Operations Wash Dulles International	1,678	Tank Farm Rd Building 2	Sterling	Loudoun	20166RBPXXBUILD

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
141	US Penitentiary Lee	1,671	Lee County Ind Us Trial Park Hickory Flats Rd	Pennington Gap	Lee	24277SPNTNLEECI
142	US Defense Logistics Agency Defense Supply Center Richmond	1,555	6090 Strathmore Rd	Richmond	Chesterfield	23297DFNSG8000J
143	Cameron Chemical Inc.	1,515	830 Old Dill Rd.	Suffolk	Suffolk (City)	2343WCMRNC83LDD
144	U.S. Amines (Portsmouth) LLC	1,389	3230 W Norfolk Rd	Portsmouth	Portsmouth (City)	23703CLNSC3230E
145	IR Engraving LLC	1,297	5901 Lewis Rd	Sandston	Henrico	23150RNTRN5901L
146	Howmet Castings & Services Inc	1,258	One Howmet Dr	Hampton	Hampton (City)	23661HWMTCONEHO
147	Birchwood Power Facility	1,182	10900 Birchwood Dr	King George	King George	22547BRCHW10900
148	Federal Correctional Complex	1,139	1060 River Rd	Hopewell	Prince George	23860BRFPR16RIV
149	Citgo Fairfax Terminal	1,130	9600 Colonial Ave	Fairfax	Fairfax (City)	2203WCTGFR96CLN
150	DRIV	1,127	3160 Abbott Ln	Harrisonburg	Harrisonburg (City)	22801WLKRM3160A
151	Davis-Frost Inc	1,117	3416 Candler's Mountain Rd	Lynchburg	Lynchburg (City)	24506DVSPN3420C
152	Kerry Inc.	1,100	1711 N Liberty St	Harrisonburg	Harrisonburg (City)	2280WKRRYN1711N
153	US Navy Naval Station Norfolk	1,059	1530 Gilbert Street Suite 2000	Norfolk	Norfolk (City)	23511NVLBS1530G
154	Heniff Transportation Systems LLC	1,000	4625 Lee Hwy	Marion	Smyth	2435WSPRFL4625L

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155	Reco Biodiesel, LLC	1,000	710 Hospital St	Richmond	Richmond (City)	2321WRCBDS71HSP
156	Carpenter Co Richmond Plant	994	2400 Jefferson Davis Hwy	Richmond	Richmond (City)	23234RCRPN2400J
157	Tecton Products LLC	969	5415 Corporate Cir	Salem	Roanoke	24153TCTNP5415C
158	Kinder Morgan Transmix Company, LLC	933	3302 Deepwater Terminal Rd	Richmond	Richmond (City)	23234PRMRY3302D
159	US Navy Defense Fuel Support Point Craney Island	902	4501 Cedar Ln Bldg 288	Portsmouth	Portsmouth (City)	23703CRNYS4501C
160	AZZ Galvanizing- Bristol	846	14781 Industrial Park Rd	Bristol	Washington	24201VSBRS795IN
161	General Shale Brick Inc Plant 35 & 36	840	2353 Webster Rd	Roanoke	Botetourt	24064GNRLS770WE
162	George's Foods, LLC. Processing Plant	804	501 N Liberty St	Harrisonburg	Rockingham	22801HLLYF501NO
163	Pine Products Inc	785	315 Carver Rd	Martinsville	Henry	24112PNPRD315CA
164	Valmont-Virginia Galvanizing Inc	779	3535 Halifax Rd	Petersburg	Petersburg (City)	23805NDSTR3535H
165	RTI Martinsville Inc	768	101 Rti Way	Martinsville	Henry	2411WRTMRT11RTI
166	Trident Americas	750	833 Liberty Way	Chester	Chesterfield	23836KTNGR833LI
167	Hoover Treated Wood Products, Inc	670	18315 House Dr	Milford	Caroline	22514HVRTRCAROL
168	Hutchinson Sealing Systems Inc	610	1150 S Third St	Wytheville	Wythe	24382KNGST1150S

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
169	U.S. Army Garrison Fort Lee Va - Ranges	548	825, 19Th Street, Bldg 6005	Fort Lee	Prince George	23801SRMYC3901A
170	Accutec Blades, Inc.	536	57 Razor Blade Ln	Verona	Augusta	24482MRCNSRAZOR
171	Glen-Gery Corporation - Lawrenceville Plant	514	16024 Governor Harrison Pkwy	Lawrenceville	Brunswick	23868BRCKTHWY58
172	Superior Concrete Materials Inc. - Dulles	506	44146 Wade Dr	Chantilly	Loudoun	2015WSPRRC44146
173	Superior Concrete Materials Inc. - Lorton	506	8420 Terminal Rd	Lorton	Fairfax	2207WSPRRC842TE
174	Airgas Specialty Products Inc., Suffolk, Va	500	105 Dill Rd	Suffolk	Suffolk (City)	2343WRGSSP15DIL
175	Arkema Inc Franklin Plant	500	27047 Shady Brook Trail	Courtland	Southampton	2383WRKMNC2747S
176	Dominion Chemical Co Inc	500	2050 Puddledock Rd	Petersburg	Petersburg (City)	23803DMNNC2050P
177	Morgan Lumber Company, Inc.	437	628 Jeb Stuart Highway	Red Oak	Charlotte	2396WMRGNL628JE
178	Pentagon Reservation	414	2 N Rotary Rd	Arlington	Arlington	2220WPNTRSNRTAR
179	Virginia Concrete Shirlington Plant	385	2651 Shirlington Rd	Arlington	Arlington	22206VRGNC2651S
180	The Goodyear Tire & Rubber Co.	354	1901 Goodyear Blvd	Danville	Danville (City)	24541THGDY1435G
181	Hitachi Energy USA Inc.	251	2135 Philpott Rd	South Boston	Halifax	24592WSTNGHIGHW
182	Capital Concrete Inc.	250	400 Stapleton St	Norfolk	Norfolk (City)	2350WCPTLC4STAP

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
183	Sicpa Securink Corp	250	8000 Research Way	Springfield	Fairfax	22153SCPVR8000R
184	US Navy Joint Expeditionary Fort Story Range	247	300 Atlantic Avenue	Virginia Beach	Virginia Beach (City)	2345WSNVYJ3GUAD
185	Spotsylvania Plant	242	8520 Indian Hills Ct.	Fredericksburg	Spotsylvania	2240WSPTS852IN
186	Owens-Brockway Glass Container Inc Plant 29	237	29 Glassblower Ln	Ringgold	Pittsylvania	24586WNSBRSTATE
187	Pre Con Inc	233	220 S Perry St	Petersburg	Petersburg (City)	23803PRCNN220SP
188	Mehler Engineered Products	226	175 Mehler Ln	Martinsville	Henry	24112MHLRN175ME
189	Virginia Concrete Edsall Road Plant	225	5412 Industrial Dr	Springfield	Fairfax	22151VRGNC6995E
190	Stafford Plant	223	169 Wyche Rd	Stafford	Stafford	2255WSTFFR169WY
191	Virginia Concrete Spotsylvania Plant	217	6110 Smith Station Road	Fredericksburg	Spotsylvania	2240WVRGNC611SM
192	Southern Graphic Systems LLC	201	5301 Lewis Rd	Sandston	Henrico	23150STHRN531LE
193	US Navy Naval Air Station Oceana Base	198	1750 Tomcat Blvd	Virginia Beach	Virginia Beach (City)	23460SNVLROCEAN
194	Virginia Concrete-Stafford Plant	186	32 Wyche Rd	Stafford	Stafford	2255WVRGNC32WYC
195	Custom Truck One Source	173	12660 E Lynchburg Salem Tpke	Forest	Bedford	2455WCSTMT1266E
196	U.S. NASA GSFC Wallops Flight Facility	160	34200 Fulton Street	Wallops Island	Accomack	23337SNSGDWALLO

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197	Blue Ridge Solvents & Coatings	160	3800 Original Henry Rd	Henry	Franklin	24102BLRDGSTATE
198	Owens-Brockway Glass Container Inc Plant 26	159	150 Industrial Blvd	Toano	James City	23168WNSLL150IN
199	Cooper Steel	154	275 Francis Ave	Monroe	Amherst	24574LYNCHRT29N
200	Virginia Concrete Dumfries Plant	137	217 Canal Rd	Dumfries	Prince William	2202WVRGNC217CA
201	Banker Steel Company, LLC	118	1619 Wythe Rd	Lynchburg	Lynchburg (City)	24502MNTGB1619W
202	Banker Steel Company, LLC	114	351 Rangoon Road	Lynchburg	Campbell	2450WBNKRS351RA
203	Degesch America Inc	111	153 Triangle Dr	Weyers Cave	Augusta	24486DGSCH275TR
204	Virginia Concrete Cochran Mill	109	42574 Cochran Mill Rd	Leesburg	Loudoun	2017WVRGNC42574
205	Commonwealth Galvanizing	101	10988 Leadbetter Rd	Ashland	Hanover	2300WCMMNW1988L
206	Samuel Son & Company (USA) Inc.	99	58 Samuel Way	Lebanon	Russell	2426WSTLFB58SAM
207	Virginia Concrete Dulles Plant	90	44866 Old Ox Rd	Sterling	Loudoun	22170VRGNC44866
208	Newington Concrete Plant	85	8413 Terminal Rd	Lorton	Fairfax	22122NWNGT8413T
209	Stella-Jones Corp	82	15939 History Land Hwy	Warsaw	Richmond	22572WDPRSROUTE
210	Virginia Concrete - Culpeper	82	11454 Quarry Drive	Rapidan	Culpeper	2273WVRGNC11454

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211	Virginia Concrete Co Inc-Chantilly	78	25086 Tanner Ln	Chantilly	Loudoun	2015WVRGNC2586T
212	Virginia Concrete Falls Church Plant	70	7103 Gordon Rd	Falls Church	Falls Church (City)	22043VRGNC7103G
213	Virginia Concrete Gainesville Plant	64	7300 Rail Line Ct	Gainesville	Prince William	2015WVRGNC73RAI
214	Commonwealth Chesapeake Power Station	53	3415 White Oak Way	New Church	Accomack	23415CMMNW3415W
215	AFETA Camp Peary	35	1100 Executive Drive	Williamsburg	York	2318WFTCMP11EXE
216	Oldcastle Precast Inc	29	5115 Massaponax Church Rd	Fredericksburg	Spotsylvania	22407RTNDP5115M
217	Kyanite Mining Corp Mullite Plant	28	5836 Buffalo Road	Dillwyn	Buckingham	23936KYNTMRTE15
218	Bingham & Taylor	28	601 Nalle Pl	Culpeper	Culpeper	2270WBNGHM61NAL
219	Arbortech Forest Products, Inc.	28	500 Dearing Avenue	Blackstone	Nottoway	2382WRBRTC5DEAR
220	Virginia Concrete - Stephens City	25	339 Estep Road	Stephens City	Frederick	2265WSTPHN339ES
221	American Buildings Company-La Crosse	24	501 Golden Eagle Dr	La Crosse	Mecklenburg	23950MRCNB51GLD
222	Concrete Pipe & Precast LLC-Hanover Pipe Plant	23	10364 Design Rd	Ashland	Hanover	2300WMRCST135DE

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
223	Graham-White Manufacturing Co.	22	1242 Colorado St	Salem	Roanoke	24153GRHMW1242C
224	Modine Manufacturing Co	21	1221 Magnolia Ave	Buena Vista	Rockbridge	24416MDNMN1221M
225	American Phoenix Inc	20	121 Martha St	Danville	Danville (City)	2454WMRCNP121MA
226	Utility Trailer Manufacturing Co	18	124 Mountain Empire Rd	Atkins	Smyth	24311TLTYTSTATE
227	Utility Trailer Manufacturing Co	18	13160 Monroe Rd	Glade Spring	Washington	2434WTLTYT1316M
228	MAAG Gala, Inc.	18	181 Pauley St	Eagle Rock	Botetourt	24085GLNDSRFD2B
229	Bleachtech LLC	15	2020 Bessemer Rd	Petersburg	Petersburg (City)	23805BLCHT22BES
230	Associated Asphalt Roanoke, LLC	15	2677 Roanoke Ave SW	Roanoke	Roanoke (City)	24015SSCTD2677R
231	Associated Asphalt Bristol, LLC	14	140 Spurgeon Ln	Bristol	Bristol (City)	2420WSSCTD1SPUR
232	Blue Ridge Fiberboard	13	250 Celotex Dr	Danville	Pittsylvania	24543WDFBRMASON
233	Carry-On Trailer Corp	13	617 Harry Hogan Rd	Callao	Northumberland	22435CRRYN617HA
234	Metalsa Roanoke Inc.	12	184 Vista Dr	Roanoke	Botetourt	24019TWRTM184VI
235	Sun Chemical Corp	11	16000 Continental Blvd	Colonial Heights	Colonial Heights (City)	23834SNCHM16000
236	Murphy-Brown LLC Waverly Feed Mill	10	27404 Cabin Point Rd	Waverly	Sussex	23890MRPHY27404
237	Munters	10	225 S Magnolia Ave	Buena Vista	Rockbridge	2441WDSCHM225SM
238	Tempur Production USA Inc	10	203 Tempurpedic Dr	Duffield	Scott	24244TMPRP4700B

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239	U.S. DOD, USAF, Joint Base Langley Eustis - Langley AFB	10	633 Ces/Ceie 37 Sweeney Blvd	Langley Afb	Hampton (City)	23665SRFRC1CESC
240	Voestalpine High Performance Metals - South Boston Plant	10	2306 Eastover Dr	South Boston	Halifax	24592CKCMPSTATE
241	Atlantic Pole & Piling - Newsoms	8	21366 General Thomas Hwy	Newsoms	Southampton	23874TLNTECRTE67
242	Trex - Virginia Manufacturing Operations	7	3229 Shawnee Drive	Winchester	Frederick	2260WTRXWN3229S
243	US Army Garrison Fort Belvoir	7	9430 Jackson Loop	Fort Belvoir	Fairfax	2206WSRMYP943JA
244	Shearers Food LLC	6	1445 Pittstown Road	Bristol	Washington	2420WSHRRS1445P
245	Shamrock Foods Dairy Div	5	318 Mill Pl Pkwy	Verona	Augusta	2448WSHMRC318MI
246	Trelleborg Marine Systems North America Inc.	5	532 Jack Enders Blvd	Berryville	Clarke	2261WTRLLB532JA
247	Everbrite LLC	5	627 E 30th St	Buena Vista	Buena Vista (City)	24416VRBRT627EA
248	US Coast Guard Base Portsmouth	4	4000 Coast Guard Blvd	Portsmouth	Portsmouth (City)	23701SDTSC4000C
249	Associated Asphalt Hopewell LLC	3	410 Water St	Hopewell	Hopewell (City)	2386WSSCTD41WAT
250	Boxley Lynchburg Asphalt Plant	3	3535 John Capron Rd	Lynchburg	Lynchburg (City)	2450WBXLYL3535J

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251	Boxley Salem Asphalt Plant	3	2101 Salem Industrial Dr	Salem	Salem (City)	2415WBXLYS211SA
252	US DHS Mt Weather EOC	2	19844 Blue Ridge Mountain Rd	Bluemont	Loudoun	20135SDHSM19844
253	Altec Industries, Inc.	2	325 South Center Drive	Daleville	Botetourt	2408WLTCND325SU
254	Safety-Kleen Systems Chester (Cva)	2	1200 W 100 Rd	Chester	Chesterfield	23831SFTYK1200W
255	Weidmuller	2	821 Southlake Blvd	Richmond	Chesterfield	23236WDMLL821SO
256	O-N Minerals (Chemstone) Winchester Lime Plant	2	508 Quarry Ln	Clear Brook	Frederick	22624GLBLSONEQU
257	Manassas Ready Mix Concrete	2	7310 Old Compton Rd	Manassas	Prince William	22110MNSSS731LD
258	BAE Systems Information & Electronic Systems Integration I	2	9300 Wellington Rd	Manassas	Prince William	20110BSYSN9300W
259	Medeco Security Locks Inc.	1	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A
260	Chantilly Ready Mix Concrete	1	25232 Willard Road	Chantilly	Loudoun	2015WCHNTL25232
261	Virginia Paving Alexandria Plant	1	5601 Courtney Avenue	Alexandria	Alexandria (City)	2230WTHLNC561CU
262	Bkep Materials, LLC -- Newport News Va	1	801 Terminal Ave	Newport News	Newport News (City)	23607KCHPT801TE
263	Kik (Virginia) LLC	1	27 Mill Ln	Salem	Roanoke	24153THDLC27MIL

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264	Safety-Kleen Systems Vinton (Roa)	1	16090 Stewartsville Rd	Vinton	Roanoke	24179SFTYKRTE24
265	W&W-Afco Steel LLC	1	15083 Industrial Park Rd	Bristol	Washington	24202CRLNS1583I
266	Virginia Mirror Co Inc	1	300 S Moss St	Martinsville	Henry	24112VRGNM300MO
267	Amsted Rail Co Inc	1	2580 Frontage Rd	Petersburg	Petersburg (City)	23804BRNCNPETER
268	Pallet One of Virginia	1	820 Boyd St	Chase City	Mecklenburg	2392WPLLTN82BYD
269	Bear Garden Generating Station	1	2608 C.G. Woodson Road	New Canton	Buckingham	2312WBRGRD268CG
270	Intelligent Platforms, LLC	1	2500 Austin Drive	Charlottesville	Albemarle	22901GFNCTUS29N
271	Taylor & Boody Inc.	1	8 Hewitt Rd	Staunton	Augusta	24401TYLRB8HEWE
272	Metal Casting Co	1	15331 Industrial Park Road	Bristol	Washington	2420WMTLCS15331
273	ST Tissue LLC	1	34050 Union Camp Dr	Franklin	Isle Of Wight	2385WSTTSS345UN
274	Greystone Of Virginia Inc	0	7992 Richmond Rd	Toano	James City	23168GRYST7992R
275	Westrock / Seven Hills LLC	0	1801 Concord Turnpike	Lynchburg	Lynchburg (City)	24505MDPPR1801C
276	Sonoco Richmond	0	1850 Commerce Rd	Richmond	Richmond	23224SNCPR1850C
277	Wabtec Components	0	655 Fairview Rd	Wytheville	Wythe	24382RQPCR655FA
278	Northrop Grumman Systems Corporation	0	1070 Seminole Trail	Charlottesville	Albemarle	22906SPRRY1070S

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2021 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
279	Concrete Pipe & Precast LLC-Ashland Precast Plant	0	11352 Virginia Precast Rd	Ashland	Hanover	2300WSSRCM312MI
280	Ladysmith Combustion Turbine Station	0	8063 Cedon Rd	Woodford	Caroline	22580LDYSM863CE
281	Concrete Pipe & Precast LLC Chesapeake Plant	0	3801 Cook Blvd	Chesapeake	Chesapeake (City)	23323HNSNP381CK
282	Branscome-Lee Hall	0	9393 Merrimac Trail	Williamsburg	James City	23185BRNSC9393M
283	Yorktown Power Station	0	1600 Waterview Rd	Yorktown	York	23692YRKTW1600W
284	Branscome-Hampton	0	1922 W Pembroke Ave	Hampton	Hampton (City)	23661BRNSC1922W
285	Concrete Pipe & Precast LLC-Salem #1 Plant	0	2000 Salem Industrial Dr	Salem	Salem (City)	24153HNSNP2SALE
286	US Cbp Canine Training Facility Firing Range #Va0040	0	828 Harmony Hollow Rd	Front Royal	Warren	22630SCSTM828HA
287	Pre Con, Inc.	0	321 Brown St	Petersburg	Petersburg (City)	2380WPRCNN321BR
288	Titan Virginia Ready-Mix LLC-Springfield Plant	0	6600 Electronic Dr	Springfield	Fairfax	22151STHRN6600E
289	Titan Virginia Ready-Mix LLC-Centreville Plant	0	15718 Lee Highway	Centreville	Fairfax	2202WTTNVR15718
290	Titan Virginia Ready-Mix LLC-Stafford Plant	0	48 Powell Ln	Falmouth	Stafford	2240WTTNVR48PWE

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
291	Titan Virginia Ready-Mix LLC-Leesburg Plant	0	42105 Cochran Mill Rd	Leesburg	Loudoun	2017WTTNVR4215C
292	Mechanicsville Concrete LLC-Airport Plant (Oakleys Lane)	0	4481 Oakleys Ln	Henrico	Henrico	2322WMCHNC4481A
293	Mechanicsville Concrete LLC-Chesterfield Plant	0	3501 Warbro Rd	Midlothian	Chesterfield	2311WMCHNC351WA
294	Titan Virginia Ready-Mix LLC-Sterling Plant	0	22963 Concrete Plaza	Sterling	Loudoun	2016WTTNVR22963
295	Plant 782 - 12020 Old Stage Road	0	12020 Old Stage Road	Chester	Chesterfield	2383WTCSMT122LD
296	Concrete Pipe & Precast LLC-Harrisonburg Precast Plant	0	210 Stone Spring Rd	Harrisonburg	Rockbridge	2280WVLLYB21STN
297	Superior Concrete Inc-Harrisonburg	0	1526 County Club Rd	Harrisonburg	Rockingham	2280WSPRRC1526C
298	Kaiser Aluminum Fabricated Products LLC	0	1901 Reymet Rd	Richmond	Chesterfield	23237RYNLD1901R
299	Virginia Concrete Centreville Plant	0	15717 Lee Hwy	Centreville	Fairfax	2202WVRGNC15717
300	US Army Joint Base Myer-Henderson Hall Garrison Ops (Part)	0	204 Lee Ave	Fort Myer	Arlington	2221WSRMJYJ24LEE

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
301	Titan Virginia Ready-Mix LLC-Clear Brook Plant	0	1383 Brucetown Rd	Clear Brook	Frederick	2262WTTNVR1383B
302	Titan Virginia Ready-Mix LLC-Port Norfolk Plant	0	101 Chautauqua Ave	Portsmouth	Portsmouth (City)	2370WTTNVR11CHA
303	TCS Materials Hampton 58Th St. Ready-Mix	0	2510 58th St	Hampton	Hampton (City)	2366WTCSMT25158
304	Oldcastle APG Mid-Atlantic Richmond, Va	0	1231 Willis Rd	Richmond	Chesterfield	2323WLDCST1231W
305	Virginia Concrete Woodbridge Plant	0	936 Annapolis Way	Woodbridge	Prince William	2219WVRGNC936AN
306	Titan Virginia Ready-Mix LLC-Campostella Plant	0	2125 Kimball Terrace	Norfolk	Norfolk (City)	2350WTTNVR2125K
307	TCS Materials Newport News	0	700 Shields Rd	Newport News	Newport News (City)	2318WTCSMT7SHIE
308	Oldcastle Apg Mid-Atlantic Milford, Va	0	16326 Ind Us Trial Dr	Milford	Caroline	22514MRCNS16326
309	Titan Virginia Ready-Mix LLC-Dumfries Plant	0	3454 Canal Rd	Dumfries	Prince William	2202WTTNVR3454C
310	Titan Virginia Ready-Mix LLC-Oceana Plant	0	160 Oceana Blvd.	Virginia Beach	Virginia Beach (City)	2345WTTNVR16CEA

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
311	TCS Materials Gloucester Ready-Mix	0	5248 George Washington Memorial Hwy	Gloucester	Gloucester	2306WTCSMT5248G
312	Brantner & Associates Inc dba TE Connectivity Mog	0	751 Old Brandy Rd	Culpeper	Culpeper	22701THRCH751OL
313	Mechanicsville Concrete LLC- Petersburg Plant	0	26317 Simpson Rd	Petersburg	Dinwiddie	2380WMCHNC26317
314	Mechanicsville Concrete LLC	0	4608 Racrete Rd	Richmond	Henrico	2323WMCHNC468RA
315	APG Mid-Atlantic - Winchester	0	396 Tyson Drive	Winchester	Frederick	2260WPGMDT396TY
316	Amelia Lumber Co Inc	0	8680 Crowder St	Amelia Court House	Amelia	23002MLLMB16951
317	Ardent Mills, LLC	0	1900 Industry Dr	Culpeper	Culpeper	2270WRDNTM19IND
318	Boar's Head Provisions Co Inc. - Jarratt	0	2230 Wyatts Mill Rd	Jarratt	Greensville	23867BRSHD2230W
319	Boar's Head Provisions Co., Inc. - Petersburg	0	1950 Industry Place	Petersburg	Petersburg (City)	23805BRSHD195IN
320	Bondcote Corp	0	509 Burgis Ave	Pulaski	Pulaski	24301WSTPNBURGI
321	Bren Mar	0	6315 Bren Mar Dr	Alexandria	Fairfax	2231WBRNMR6315B
322	Cardinal Cg Abingdon	0	18370 Oak Park Dr	Abingdon	Washington	24210FGCTN1837A
323	Cardinal Glass	0	2132 Cardinal Park Dr	Vinton	Roanoke	2417WCRDNL2132C

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
324	Cargill Feed & Nutrition Roanoke	0	1003 Walnut Ave	Vinton	Roanoke	24179STHRN1003W
325	Cargill Meat Solutions Inc	0	135 Huffman Dr	Dayton	Rockingham	22821RCCTRROUTE
326	Catalina Cylinders Inc	0	2400 Aluminum Ave	Hampton	Hampton (City)	23666CTLNC2400A
327	Cerro Fabricated Products LLC	0	300 Triangle Dr	Weyers Cave	Augusta	24486CRRMT300TR
328	Chemetrics Inc	0	4295 Catlett Rd	Midland	Fauquier	20138CHMTR4295C
329	Chemtreat Inc	0	10040 Lickinghole Rd	Ashland	Hanover	23005CHMTR500LI
330	Cmc Rebar	0	9434 Crossroads Pkwy	Fredericksburg	Spotsylvania	22408SMRBR9434C
331	CMC Rebar Va King George	0	10924 Dennis W Kerns Pkwy	King George	King George	2248WCMCRB1924D
332	Columbus Mckinnon Corp	0	22364 Jeb Stuart Hwy	Damascus	Washington	24236CLMBSRTE1B
333	Conn-Weld Industries LLC	0	New Bern Rd State Rd 682	Dublin	Pulaski	24084CNNWLNEWBE
334	Creative Playthings Ltd.	0	859 Industrial Dr	Emporia	Greensville	23847CRTVP859IN
335	Eaton Corporation - Williamsburg Manufacturing	0	149 Warwick Court	Williamsburg	York	2318WTNCRP149WA
336	Elbit Systems Of America - Night Vision LLC	0	7635 Plantation Rd	Roanoke	Roanoke	24019TTLCT7635P
337	Eternal Technology Corp	0	1800 Touchstone Rd	Colonial Heights	Chesterfield	23834TRNLT18TUC

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
338	Fisher Diagnostics, A Division of Fisher Scientific Company	0	8365 Valley Pike	Middletown	Frederick	22645FSHRD8365V
339	Fleetwood Homes of Virginia Inc 19-2	0	90 Weaver St	Rocky Mount	Franklin	24151FLTWD90WEA
340	Flowserve Corp Lynchburg Va	0	5114 Woodall Rd	Lynchburg	Lynchburg (City)	24502LMTRQ5114W
341	Flowserve US Inc	0	3900 Cook Blvd	Chesapeake	Chesapeake (City)	23323NGRSL3900C
342	FTG Corp.	0	1026 Warrenton Rd	Fredericksburg	Stafford	22405CLNLC1026W
343	GEA Systems DbA LLC (DbA LLC Dowty Propellers)	0	114 Powers Ct	Sterling	Loudoun	20166SMTHS114PW
344	Gemini-Farmville	0	102 Hauschild Dr	Farmville	Cumberland	23901GMNFR12HAU
345	George Bush Center For Intelligence (CIA)	0	1000 Colonial Farm Rd	Mc Lean	Fairfax	2210WCHDQRRUTES
346	Georges Family Farms, LLC Mt Jackson Feed Mill	0	560 Caverns Rd	Mount Jackson	Shenandoah	22844HLLYFSTATE
347	George's Foods LLC Feed Mill	0	61 Kratzer Rd	Harrisonburg	Harrisonburg (City)	22801RCCFDPOBOX
348	Gilmer Industries Inc	0	560 Stone Spring Rd	Harrisonburg	Harrisonburg (City)	22801GLMRN560ST
349	Gordonsville Power Station	0	819 Hill Rd	Gordonsville	Louisa	22942GRDNS115RE
350	Great Southern Wood - Va, Inc.	0	1050 N Main St	Rocky Mount	Franklin	24151RCKYTNORTH

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
351	Griffith Energy Services Inc-Berryville	0	618 E Main St	Berryville	Clarke	22611CLRKC618EM
352	Grottoes Plastics Plant	0	149 Grand Caverns Dr	Grottoes	Augusta	24441RYNLDCAVER
353	Guardian Fabrication, LLC - Plant 2	0	110 Jack Guynn Dr	Galax	Galax (City)	24333CNSLD110JA
354	Hitachi Energy USA Inc.	0	171 Industry Drive	Bland	Bland	24315BBPWRSTRTE
355	Howell Metal Co	0	574 Depot Rd	New Market	Shenandoah	22844HWLLM574DE
356	HP Hood LLC	0	160 Hood Way	Winchester	Frederick	22602HPHDX160HO
357	Imperial Group Manufacturing Inc	0	4969 Stepp Place	Dublin	Pulaski	2408WMPRLG4969S
358	Industrial Chemicals Inc	0	2540 Bellwood Rd	Richmond	Chesterfield	23237NDLCH2540B
359	Interbake Foods	0	200 Baker Plaza	Front Royal	Warren	2263WNTRBK2BAKE
360	International Cold Storage	0	5678 Heards Mountain Rd	Covesville	Albemarle	22931NTRNTRROUTE
361	James Hardie Building Products Pulaski	0	1000 James Hardie Way	Pulaski	Pulaski	24301JHBPP1JAME
362	JCI Jones Chemicals Inc.	0	16248 Industrial Dr	Milford	Caroline	22514JNSCHRT640
363	Johns Manville Corp Hamilton Plant	0	7400 Ranco Rd	Richmond	Henrico	23228MNVLL7400R
364	Lake Region Medical, Inc	0	235 S Yorkshire St	Salem	Salem (City)	2415WNBLMT235SY
365	Madison Wood Preservers Inc.	0	216 Oak Park Rd	Madison	Madison	22727MDSNWSTARR

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
366	Mapei Corp	0	300 Nelms Cir	Fredericksburg	Stafford	22406MPCRP3NELM
367	Marva Maid Dairy	0	5500 Chestnut Ave	Newport News	Newport News (City)	23605MRVMD5500C
368	Mastic Home Exteriors	0	185 Johnson Dr	Stuarts Draft	Augusta	24477LCBLDRTE90
369	Mennel Milling Co Of Virginia	0	5185 Benois Rd	Roanoke	Roanoke	24018MNNLM5185B
370	Micrometrics System	0	225 Jeb Stuart Hwy	Meadows Of Dan	Patrick	24120MCRMT2900W
371	Mitsubishi Chemical America Alpollic Division	0	401 Volvo Pkwy	Chesapeake	Chesapeake (City)	23320MTSBS401VA
372	Moog Inc.	0	1213 N Main St	Blacksburg	Montgomery	24060LTTNP1213N
373	Munters Corp	0	43 Douglas Way	Natural Bridge Station	Rockbridge	2457WMNTRS43DUG
374	MXI Environmental Services, LLC	0	26319 Old Trail Rd (St Rte 679)	Abingdon	Washington	2421WMXNVR26319
375	Nationwide Homes Inc.	0	1100 Rives Rd	Martinsville	Henry	24112NTNWD100RI
376	Novozymes	0	420 Kesler Mill Rd	Salem	Roanoke	24153NVZYM42KES
377	Novozymes Biologicals Inc	0	528 Chapman St	Salem	Salem (City)	24153NVZYM528CH
378	Old Dominion Electric Co-Op Louisa Generation Facility	0	3352 Klockner Rd	Gordonsville	Louisa	22942LDDMN3352K
379	Old Dominion Electric Co-Op Marsh Run Generation Facility	0	12109 Lucky Hill Rd	Remington	Fauquier	22734LDDMN1219L

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
380	Papco Inc	0	4920 Southern Blvd	Virginia Beach	Virginia Beach (City)	2346WPPCNC492SU
381	Papco Oil Company	0	407 Jefferson Avenue	Newport News	Newport News (City)	2360WPPCLC47JEF
382	Parker Hannifin Integrated Seals Div	0	3700 Mayflower Dr	Lynchburg	Lynchburg (City)	24501WYNNS3700M
383	Pascor Atlantic Corp	0	254 Industry Dr	Bland	Bland	24315PSCSTRTE1B
384	Pilgrim's Pride Corp Harrisonburg Feedmill	0	590 Mt Clinton Pike	Harrisonburg	Harrisonburg (City)	22801WMPLR590MT
385	Power Distribution Inc.	0	5250 Klockner Dr	Henrico	Henrico	2323WPWRDS525KL
386	Prochem, Inc	0	5100 Enterprise Dr	Elliston	Montgomery	24087PRCHM51ENT
387	QPI Warsaw Bulk Plant	0	11549 Historyland Hwy	Warsaw	Richmond	2257WQPWRS11549
388	Qualichem, Inc. Plant 1	0	2003 Salem Industrial Dr	Salem	Salem (City)	2415WQLCHM23SAL
389	Qualichem, Inc. Plant 2	0	510 Branch Dr	Salem	Salem (City)	2415WQLCHM51BRA
390	Quarles Petroleum Inc Harrisonburg Bulk Plant	0	1006 W Market St	Harrisonburg	Harrisonburg (City)	22801QRLSP1006W
391	Quarles Petroleum Inc. Culpeper Bulk Plant	0	15427 Brandy Rd	Culpeper	Culpeper	22701QRLSP15427
392	Quarles Petroleum Inc. Front Royal Bulk Plant	0	195 Commerce Ave	Front Royal	Warren	22630QRLSP195CO
393	Quarles Petroleum Inc. Manassas Bulk Plant	0	8001 Wellingford Dr	Manassas	Prince William	20109QRLSP8001W

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
394	Quarles Petroleum Inc. Winchester Bulk Plant	0	779 Smithfield Ave	Winchester	Frederick	22601QRLSP779SM
395	Quarles Petroleum, Inc. Covington Bulk Plant	0	9314 Winterberry Ave	Covington	Alleghany	2442WQRLSP9314W
396	Quarles Petroleum, Inc. Verona Bulk Plant	0	229 Lee Hwy - 229 Lee Highway	Verona	Augusta	2448WQRLSP229LE
397	Remington Power Station	0	12025 Lucky Hill Road	Remington	Fauquier	2273WDMNNR1225L
398	Ruffin Creek Properties LLC	0	10229 Tidewater Trail	Fredericksburg	Spotsylvania	22408RFFNC10229
399	Safety-Kleen Systems Chesapeake (CPK)	0	4545 Bainbridge Blvd	Chesapeake	Chesapeake (City)	23320SFTYK4545B
400	Schrader-Bridgeport International	0	205 Frazier Rd	Altavista	Campbell	24517PDMNT205FR
401	Slocum Adhesives Corp.	0	2500 Carroll Ave	Lynchburg	Lynchburg (City)	2450WSLCMD25CAR
402	Sunbelt Forest Products, Inc	0	1220 Hendricks Store Rd	Moneta	Bedford	24523SMTHMPOBOX
403	Sunbelt Forest Products, Inc	0	5604 City Line Rd	Hampton	Hampton (City)	23661CMMNW5604C
404	Sunlite Plastics Inc.	0	846 Keezletown Rd	Weyers Cave	Augusta	24486SNLGHROUTE
405	Super Radiator Coils	0	451 Southlake Blvd	Richmond	Chesterfield	23236SPRRD451SO
406	Toray Plastics (America) Inc	0	500 Toray Dr	Front Royal	Warren	22630TRYPL500TO
407	Tread Corp	0	176 Eastpark Dr	Roanoke	Botetourt	24019VFPNC4520E

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
408	Tri Tech Laboratories, LLC	0	1000 Robins Rd	Lynchburg	Lynchburg (City)	2450WTRTCH1RBIN
409	Tyson Farms Inc. - Feed Mill	0	1938 Patrick Henry Hwy	Jetersville	Nottoway	23083HLLYFUSHWY
410	Univar USA Inc Chester Facility	0	1001 Old Bermuda Hundred Rd	Chester	Chesterfield	23836PRLLM1001O
411	US Dod Warrenton Training Center Station B	0	7471 Bear Wallow Rd	Warrenton	Fauquier	2018WSDDSR7471B
412	US Dod, Warrenton Training Center Station C Range	0	7248 Sumerduck Rd	Remington	Fauquier	2273WSDDSR7248S
413	Virginia Metal Treating, Inc.	0	111 Lynchpin Ln	Lynchburg	Lynchburg (City)	2450WVRGNM111LY
414	Vitesco Technologies USA, LLC	0	615 Bland Blvd	Newport News	Newport News (City)	23602LLDSG615BL
415	VPGC LLC Broadway Feedmil	0	410 S Main St	Broadway	Rockingham	22815WMPLRRTE42
416	Webb Enterprises LLC American Mirror	0	602 E Stuart Dr	Galax	Galax (City)	24333MRCNMPOBOX
417	Wolf Hills Fabricators, LLC	0	26161 Old Trail Rd	Abingdon	Washington	2421WWLFHL26161
418	Woodwick Candle	0	200 Toy Lane	Blairs	Pittsylvania	2455WSMTHM1DILL
419	WWF Operating Co	0	6364 S Valley Pike	Mount Crawford	Rockingham	22841SHNND6364S
420	Zenith Fuel Systems LLC	0	14570 Industrial Park Rd	Bristol	Washington	24201FCTFL1048I

Appendix I-2 - 2021 VA TRI Facility Ranking by On-Site Management

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2021 Toxics Release Inventory

APPENDIX I-2 - 2021 VA TRI FACILITY RANKING BY ON-SITE MANAGEMENT

Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
1	Honeywell International Colonial Heights Plant	296,494,972	15801 Woods Edge Rd	Colonial Heights	Chesterfield	23832LLDSGEXIT5
2	BAE Systems, Ordnance Systems Inc	37,687,381	Radford Army Ammunition Plant 4050 Peppers Ferry Rd	Radford	Montgomery	24141RDFRDPOBOX
3	Westrock Virginia Corporation (Entire)	20,396,818	104 E. Riverside Street	Covington	Covington (City)	24426WSTVCRIVER
4	International Paper Franklin Mill	15,617,585	34040 Union Camp Dr	Franklin	Isle Of Wight	23851NNCMPHIGHW
5	Axalta Coating Systems USA LLC- Front Royal Plant	5,110,668	7961 Winchester Rd	Front Royal	Warren	22630DPNTFPOBOX
6	Perdue Farms Accomac Processing Plant	4,412,792	22520 Lankford Hwy	Accomac	Accomack	23301PRDNCROUTE
7	Solenis LLC	3,798,802	2301 Wilroy Rd	Suffolk	Suffolk (City)	23434LLDCL2301W
8	Tyson Farms Inc- Temperanceville	3,539,000	11224 Lankford Hwy	Temperanceville	Accomack	23442HLLYFUSHIG
9	Ingevity Virginia Corporation	3,397,634	958 E Riverside St	Covington	Covington (City)	2442WNGVTY958ER

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
10	Advansix Inc Hopewell Plant	3,386,080	905 E Randolph Rd	Hopewell	Hopewell (City)	23860LLDSGPOBOX
11	George's Chicken LLC	3,023,101	19992 Senedo Rd	Edinburg	Shenandoah	22824RCCFRRTE42
12	Westrock CP, LLC	2,759,084	1901 Main St	West Point	King William	23181CHSPK19THM
13	Wolverine Advanced Materials	2,726,972	3175 State St	Blacksburg	Montgomery	24060WLVRN3175S
14	Intertape Polymer Corp	2,357,503	1101 Eagle Springs Rd	Danville	Pittsylvania	24540NTRTPSTATE
15	BWXT Nuclear Operations Group, Inc.	2,158,291	1570 Mount Athos Rd	Lynchburg	Campbell	24504BBCKMTATH
16	Danchem Technologies Inc	1,996,245	1975 Old Richmond Rd	Danville	Pittsylvania	24540DNRVRSTATE
17	CP Films, Inc.	1,853,672	345 Beaver Creek Dr	Martinsville	Henry	24112CMMNW345BE
18	Eastman Performance Films, LLC - Plant II	1,788,418	4129 The Great Rd	Fieldale	Henry	24089MRTNPRTE68
19	Micron Technology Inc.	1,625,200	9600 Godwin Dr	Manassas	Prince William	20110DMNNS9600G
20	Tyson Farms Inc. - Processing Facility	1,612,077	13264 Mountain Rd	Glen Allen	Hanover	20360HLLYF3301U
21	Arkema Inc	1,512,187	601 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531SRTMR601TI

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
22	Wolverine Advanced Materials	1,228,210	201 Industrial Park Rd	Blacksburg	Montgomery	24060WLVRN201IN
23	Trivium Packaging USA, Inc	1,160,000	5022 Hollins Rd	Roanoke	Roanoke (City)	2401WRDGHM522HL
24	Dynax America Corp	1,054,584	568 E Park Dr	Roanoke	Botetourt	24019DYNXM568EP
25	Celanese Acetate LLC - Celco Plant	1,016,733	3520 Virginia Ave	Narrows	Giles	24124HCHSTR460
26	Virginia City Hybrid Energy Center	972,700	3425 Russell Creek Rd	Saint Paul	Wise	2428WVRGNC3425R
27	Fujifilm Wako Chemicals USA Corp	946,500	1600 Bellwood Rd	Richmond	Chesterfield	23237WKCHM1600B
28	Georgia-Pacific Big Island Mill	868,990	9363 Lee-Jackson Hwy	Big Island	Bedford	24526NKSPCHIGHW
29	Clover Power Station	669,600	4091 Clover Rd	Clover	Halifax	24534CLVRPRTE92
30	Reco Biodiesel, LLC	661,342	710 Hospital St	Richmond	Richmond (City)	2321WRCBDS71HSP
31	Sterilization Services of Virginia	490,816	5674 Eastport Blvd	Henrico	Henrico	23231STRLZ5674E
32	Mehler Engineered Products	489,984	175 Mehler Ln	Martinsville	Henry	24112MHLRN175ME
33	Greif Packaging LLC	452,979	861 Fibre Plant Rd	Amherst	Amherst	24521VRGNFROUTE

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2021 Toxics Release Inventory

Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
34	Huber Engineered Woods LLC	438,398	1000 Chaney Ln	Crystal Hill	Halifax	24539JMHBRT3HW
35	Koppers Inc (Roanoke)	417,715	4020 Koppers Rd	Salem	Roanoke	24153KPPRSRT460
36	VPGC LLC Hinton Facility	406,971	6349 Rawley Pike Hwy 33 We	Hinton	Rockingham	22831WMPLRUSRT3
37	WWF Operating Co	360,480	6364 S Valley Pike	Mount Crawford	Rockingham	22841SHNND6364S
38	Toray Plastics (America) Inc	345,594	500 Toray Dr	Front Royal	Warren	22630TRYPL500TO
39	Georgia-Pacific Wood Products LLC - Brookneal OSB	337,000	11795 Brookneal Highway	Gladys	Campbell	24554GRGPCHIGHW
40	Volvo Group North America, LLC	336,260	4881 Cougar Trail Road	Dublin	Pulaski	24084VLVGMROUTE
41	Westrock CP LLC	292,064	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
42	Merck Sharp & Dohme Corp.	274,531	2778 Se Side Hwy	Elkton	Rockingham	22827MRCKCHIGHW
43	New Market Poultry LLC	239,300	145 Old East Cross Road	New Market	Shenandoah	2284WNWMRK145LD
44	Philip Morris USA Park 500 Site	233,785	4100 Bermuda Hundred Rd	Chester	Chesterfield	23831PHLLP4100B
45	Blue Ridge Solvents & Coatings	232,070	3800 Original Henry Rd	Henry	Franklin	24102BLRDGSTATE

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
46	Cargill Meat Solutions Inc	195,285	135 Huffman Dr	Dayton	Rockingham	22821RCCTRROUTE
47	Birchwood Power Facility	180,376	10900 Birchwood Dr	King George	King George	22547BRCHW10900
48	O'Sullivan Films Inc	173,436	1944 Valley Ave	Winchester	Winchester (City)	22601SLLVN1944V
49	Eastman Performance Films, LLC-Plant 1	169,195	4210 The Great Rd	Fieldale	Henry	24089MRTNPROUTE
50	Pilgrim's Pride Corp Broadway Facility	163,783	330 Co-Op Dr	Timberville	Rockingham	22853RCKNGCOOPD
51	George's Foods, LLC. Processing Plant	159,983	501 N Liberty St	Harrisonburg	Rockingham	22801HLLYF501NO
52	General Shale Brick Inc Plant 35 & 36	150,885	2353 Webster Rd	Roanoke	Botetourt	24064GNRLS770WE
53	Spruance Plant	138,872	5401 Jefferson Davis Hwy	North Chesterfield	Chesterfield	23234DPNTSUSHIG
54	HP Hood LLC	137,674	160 Hood Way	Winchester	Frederick	22602HPHDX160HO
55	US Navy Defense Fuel Support Point Craney Island	121,761	4501 Cedar Ln Bldg 288	Portsmouth	Portsmouth (City)	23703CRNYS4501C
56	Alliant Techsystems Operations LLC	111,334	Rt 114 Radford Army Ammunition Plant	Radford	Montgomery	24141NWRVRRTE11

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
	(New River Energetics)					
57	Philip Morris USA Commerce Road Site	83,746	3601 Commerce Rd	Richmond	Richmond (City)	23234PHLLP3601C
58	Glen-Gery Corporation - Lawrenceville Plant	57,323	16024 Governor Harrison Pkwy	Lawrenceville	Brunswick	23868BRCKTHWY58
59	Cabinetworks Group - Mount Jackson Plant	52,928	1325 Industrial Park Rd	Mount Jackson	Shenandoah	22842MRLLTSTATE
60	Molson Coors Shenandoah Brewery	51,095	5135 S Eastside Hwy	Elkton	Rockingham	22827DLPHCROUTE
61	Tecton Products LLC	50,149	5415 Corporate Cir	Salem	Roanoke	24153TCTNP5415C
62	Evonik Industries	47,333	914 E Randolph Rd	Hopewell	Hopewell (City)	23860GLDSC914ER
63	U.S. Amines (Portsmouth) LLC	47,283	3230 W Norfolk Rd	Portsmouth	Portsmouth (City)	23703CLNSC3230E
64	The Lycra Company LLC	44,000	400 Du Pont Blvd	Waynesboro	Augusta	22980DPNTWDUPON
65	Cerro Fabricated Products LLC	39,478	300 Triangle Dr	Weyers Cave	Augusta	24486CRRMT300TR
66	Marva Maid Dairy	34,909	5500 Chestnut Ave	Newport News	Newport News (City)	23605MRVMD5500C

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
67	TTM Technologies North America, LLC.	28,459	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S
68	Valley Proteins Inc-Winchester Facility	28,424	1635 Indian Hollow Rd	Winchester	Frederick	22603VLLYP1444I
69	Canon Virginia Inc	23,227	12000 Canon Blvd	Newport News	Newport News (City)	23606CNNVR12000
70	Catalina Cylinders Inc	21,215	2400 Aluminum Ave	Hampton	Hampton (City)	23666CTLNC2400A
71	Lake Region Medical, Inc	20,508	200 S Yorkshire St	Salem	Salem (City)	24153NBLMT200SY
72	Howmet Castings & Services Inc	16,570	One Howmet Dr	Hampton	Hampton (City)	23661HWMTCONEHO
73	Citgo Fairfax Terminal	13,427	9600 Colonial Ave	Fairfax	Fairfax (City)	2203WCTGFR96CLN
74	Shearers Food LLC	12,600	1445 Pittstown Road	Bristol	Washington	2420WSHRRS1445P
75	Lake Region Medical, Inc	11,494	235 S Yorkshire St	Salem	Salem (City)	2415WNBLMT235SY
76	QG Printing II Corp	9,415	160 Century Ln Stonewall Ind Us Trial Park	Winchester	Frederick	22603QBCRW16CEN
77	Georgia Pacific Wood Products LLC Emporia Plywood	9,258	634 Davis St	Emporia	Greensville	23847GRGPCDAVIS

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
78	Menzies Aviation Fueling Operations Wash Dulles International	7,725	Tank Farm Rd Building 2	Sterling	Loudoun	20166RBPXXBUILD
79	Boxley Lynchburg Asphalt Plant	4,787	3535 John Capron Rd	Lynchburg	Lynchburg (City)	2450WBXLYL3535J
80	Boxley Salem Asphalt Plant	4,455	2101 Salem Industrial Dr	Salem	Salem (City)	2415WBXLYS211SA
81	Aquatic Co	2,111	1100 Industrial Park Rd Halifax Industrial Park	South Boston	Halifax	24592PHLPSPPOBOX
82	Pre Con Inc	2,041	220 S Perry St	Petersburg	Petersburg (City)	23803PRCNN220SP
83	Virginia Transformer Corp	1,280	201 Transformer Way	Troutville	Botetourt	2417WVRGNT21TRA
84	Virginia Transformer Corp.	1,000	220 Glade View Dr Ne	Roanoke	Roanoke	24012VRGNT220GL
85	Kinder Morgan Transmix Company, LLC	946	3302 Deepwater Terminal Rd	Richmond	Richmond (City)	23234PRMRY3302D
86	US Navy Naval Air Station Oceana Base	367	1750 Tomcat Blvd	Virginia Beach	Virginia Beach (City)	23460SNVLROCEAN
87	TCS Materials Newport News	237	700 Shields Rd	Newport News	Newport News (City)	2318WTCSMT7SHIE

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
88	TCS Materials Hampton 58Th St. Ready-Mix	221	2510 58th St	Hampton	Hampton (City)	2366WTCSMT25158
89	Ashland Specialty Ingredients GP	156	1111 Hercules Rd	Hopewell	Hopewell (City)	23860QLNCM1111H
90	Strongwell Corp Bristol	120	400 Commonwealth Ave	Bristol	Bristol (City)	24203MRRSN400CO
91	Virginia Concrete - Stephens City	25	339 Estep Road	Stephens City	Frederick	2265WSTPHN339ES
92	Strongwell Corp Highlands DIV	12	26770 Newbanks Rd	Abingdon	Washington	24210STRNG26770
93	Great Southern Wood - Va, Inc.	12	1050 N Main St	Rocky Mount	Franklin	24151RCKYTNORTH
94	BKEP Materials, LLC -- Newport News Va	1	801 Terminal Ave	Newport News	Newport News (City)	23607KCHPT801TE
95	Accutec Blades, Inc.	0	57 Razor Blade Ln	Verona	Augusta	24482MRCNSRAZOR
96	AFETA Camp Peary	0	1100 Executive Drive	Williamsburg	York	2318WFTCMP11EXE
97	Airgas Specialty Products Inc., Suffolk, Va	0	105 Dill Rd	Suffolk	Suffolk (City)	2343WRGSSP15DIL
98	Akzo Nobel Coatings Inc	0	2837 Roanoke Ave SW	Roanoke	Roanoke (City)	24015RLNCN2837R

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
99	Aleris Rolled Products Inc	0	1701 Reymet Rd	Richmond	Chesterfield	23237TRNST1801R
100	Allied Aviation Fueling Co Inc	0	Ronald Reagan National Airport	Arlington	Arlington	22202GDNVTRONAL
101	Altec Industries, Inc.	0	325 South Center Drive	Daleville	Botetourt	2408WLTCND325SU
102	Amelia Lumber Co Inc	0	8680 Crowder St	Amelia Court House	Amelia	23002MLLMB16951
103	American Buildings Company-La Crosse	0	501 Golden Eagle Dr	La Crosse	Mecklenburg	23950MRCNB51GLD
104	American GFM Corp	0	1200 Cavalier Blvd	Chesapeake	Chesapeake (City)	23323MRCNG1200C
105	American Phoenix Inc	0	121 Martha St	Danville	Danville (City)	2454WMRCNP121MA
106	Ampac Fine Chemicals Virginia LLC	0	2820 N Normandy Drive	Petersburg	Petersburg (City)	23805LLBRT2999F
107	Amsted Rail Co Inc	0	2580 Frontage Rd	Petersburg	Petersburg (City)	23804BRNCNPETER
108	Anheuser-Busch LLC	0	7801 Pocahontas Trail	Williamsburg	James City	23185NHSRB7801P
109	APG Mid-Atlantic - Winchester	0	396 Tyson Drive	Winchester	Frederick	2260WPGMDT396TY
110	Appalachian Plastics Inc.	0	34001 Glove Dr	Glade Spring	Washington	24340PPLCHPOBOX

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
111	Arbortech Forest Products, Inc.	0	500 Dearing Avenue	Blackstone	Nottoway	2382WRBRTC5DEAR
112	Ardent Mills, LLC	0	1900 Industry Dr	Culpeper	Culpeper	2270WRDNTM19IND
113	Arkema Inc Franklin Plant	0	27047 Shady Brook Trail	Courtland	Southampton	2383WRKMNC2747S
114	Associated Asphalt Bristol, LLC	0	140 Spurgeon Ln	Bristol	Bristol (City)	2420WSSCTD1SPUR
115	Associated Asphalt Hopewell LLC	0	410 Water St	Hopewell	Hopewell (City)	2386WSSCTD41WAT
116	Associated Asphalt Roanoke, LLC	0	2677 Roanoke Ave SW	Roanoke	Roanoke (City)	24015SSCTD2677R
117	Atlantic Pole & Piling - Newsoms	0	21366 General Thomas Hwy	Newsoms	Southampton	23874TLNTRC RTE67
118	AZZ Galvanizing-Bristol	0	14781 Industrial Park Rd	Bristol	Washington	24201VSBRS795IN
119	BAE Systems Information & Electronic Systems Integration I	0	9300 Wellington Rd	Manassas	Prince William	20110BSYSN9300W
120	BAE Systems Norfolk Ship Repair	0	750 W Berkley Ave	Norfolk	Norfolk (City)	23501NRFLKFOOTO
121	Ball Advanced Aluminum Technologies Corp	0	56 Dunsmore Rd	Verona	Augusta	24482NMNSLLAURE

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
122	Ball Metal Beverage Container Corp	0	8935 Pocahontas Trail James River Commerce Center	Williamsburg	James City	23185BLLPC8935P
123	Banker Steel Company, LLC	0	1619 Wythe Rd	Lynchburg	Lynchburg (City)	24502MNTGB1619W
124	Banker Steel Company, LLC	0	351 Rangoon Road	Lynchburg	Campbell	2450WBNKRS351RA
125	Bassett Plant 11	0	Patriot Centre At Beaver Creek	Martinsville	Henry	24112BSSTTPATRI
126	Bear Garden Generating Station	0	2608 C.G. Woodson Road	New Canton	Buckingham	2312WBRGRD268CG
127	Bellwood Printing Plant	0	2001 Reymet Rd	Richmond	Chesterfield	23237BLLWD2001R
128	Bingham & Taylor	0	601 Nalle Pl	Culpeper	Culpeper	2270WBNGHM61NAL
129	Bleachtech LLC	0	2020 Bessemer Rd	Petersburg	Petersburg (City)	23805BLCHT22BES
130	Blue Ridge Fiberboard	0	250 Celotex Dr	Danville	Pittsylvania	24543WDFBRMASON
131	Boar's Head Provisions Co Inc. - Jarratt	0	2230 Wyatts Mill Rd	Jarratt	Greensville	23867BRSHD2230W
132	Boar's Head Provisions Co., Inc. - Petersburg	0	1950 Industry Place	Petersburg	Petersburg (City)	23805BRSHD195IN
133	Bondcote Corp	0	509 Burgis Ave	Pulaski	Pulaski	24301WSTPNBURGI

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
134	Branscome-Hampton	0	1922 W Pembroke Ave	Hampton	Hampton (City)	23661BRNSC1922W
135	Branscome-Lee Hall	0	9393 Merrimac Trail	Williamsburg	James City	23185BRNSC9393M
136	Brantner & Associates Inc dba TE Connectivity Mog	0	751 Old Brandy Rd	Culpeper	Culpeper	22701THRCH751OL
137	Bren Mar	0	6315 Bren Mar Dr	Alexandria	Fairfax	2231WBRNMR6315B
138	Cabinetworks Group - Culpeper Plant	0	641 Maddox Dr	Culpeper	Culpeper	22701WDCBN641MA
139	Cameron Chemical Inc.	0	830 Old Dill Rd.	Suffolk	Suffolk (City)	2343WCMRNC83LDD
140	Capital Concrete Inc.	0	400 Stapleton St	Norfolk	Norfolk (City)	2350WCPTLC4STAP
141	Cardinal Cg Abingdon	0	18370 Oak Park Dr	Abingdon	Washington	24210FGCTN1837A
142	Cardinal Glass	0	2132 Cardinal Park Dr	Vinton	Roanoke	2417WCRDNL2132C
143	Cargill Feed & Nutrition Roanoke	0	1003 Walnut Ave	Vinton	Roanoke	24179STHRN1003W
144	Carpenter Co Richmond Plant	0	2400 Jefferson Davis Hwy	Richmond	Richmond (City)	23234RCRPN2400J
145	Carry-On Trailer Corp	0	159 Industrial Park Rd	Montross	Westmoreland	22520CRRYN159IN

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
146	Carry-On Trailer Corp	0	617 Harry Hogan Rd	Callao	Northumberland	22435CRRYN617HA
147	Chantilly Ready Mix Concrete	0	25232 Willard Road	Chantilly	Loudoun	2015WCHNTL25232
148	Chaparral (Va) Inc	0	25801 Hofheimer Way	Petersburg	Dinwiddie	23803CHPRR25801
149	Chemetrics Inc	0	4295 Catlett Rd	Midland	Fauquier	20138CHMTR4295C
150	Chemsolv Inc	0	1140 Industry Ave SE	Roanoke	Roanoke (City)	24013CHMSL1140I
151	Chemtreat Inc	0	10040 Lickinghole Rd	Ashland	Hanover	23005CHMTR500LI
152	Chesterfield Power Station	0	500 Coxendale Rd	Chester	Chesterfield	23836CHSTR500CO
153	Church & Dwight Co Inc	0	1851 Touchstone Rd	Colonial Heights	Chesterfield	23834LDNCR16101
154	Cmc Rebar	0	9434 Crossroads Pkwy	Fredericksburg	Spotsylvania	22408SMRBR9434C
155	CMC Rebar Va King George	0	10924 Dennis W Kerns Pkwy	King George	King George	2248WCMCRB1924D
156	Colonna's Shipyard Inc	0	400 E Indian River Rd	Norfolk	Norfolk (City)	23523CLNNS400EI
157	Columbia Forest Products	0	100 Paul Rd SW	Chatham	Pittsylvania	24531CLMBF1PAUL
158	Columbus Mckinnon Corp	0	22364 Jeb Stuart Hwy	Damascus	Washington	24236CLMBSRTE1B

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
159	Commonwealth Chesapeake Power Station	0	3415 White Oak Way	New Church	Accomack	23415CMMNW3415W
160	Commonwealth Galvanizing	0	10988 Leadbetter Rd	Ashland	Hanover	2300WCMMNW1988L
161	Concrete Pipe & Precast LLC Chesapeake Plant	0	3801 Cook Blvd	Chesapeake	Chesapeake (City)	23323HNSNP381CK
162	Concrete Pipe & Precast LLC-Ashland Precast Plant	0	11352 Virginia Precast Rd	Ashland	Hanover	2300WSSRCM312MI
163	Concrete Pipe & Precast LLC-Hanover Pipe Plant	0	10364 Design Rd	Ashland	Hanover	2300WMRCST135DE
164	Concrete Pipe & Precast LLC-Harrisonburg Precast Plant	0	210 Stone Spring Rd	Harrisonburg	Rockbridge	2280WVLLYB21STN
165	Concrete Pipe & Precast LLC-Salem #1 Plant	0	2000 Salem Industrial Dr	Salem	Salem (City)	24153HNSNP2SALE
166	Conn-Weld Industries LLC	0	New Bern Rd State Rd 682	Dublin	Pulaski	24084CNNWLNEWBE
167	Cooper Steel	0	275 Francis Ave	Monroe	Amherst	24574LYNCHRT29N

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
168	Creative Playthings Ltd.	0	859 Industrial Dr	Emporia	Greenville	23847CRTVP859IN
169	Custom Truck One Source	0	12660 E Lynchburg Salem Tpke	Forest	Bedford	2455WCSTMT1266E
170	Davis-Frost Inc	0	3416 Candler's Mountain Rd	Lynchburg	Lynchburg (City)	24506DVSPN3420C
171	Degesch America Inc	0	153 Triangle Dr	Weyers Cave	Augusta	24486DGSCH275TR
172	Dominion Chemical Co Inc	0	2050 Puddledock Rd	Petersburg	Petersburg (City)	23803DMNNC2050P
173	Doswell LP	0	10098 Old Ridge Rd	Ashland	Hanover	23005DSWLL10098
174	DRIV	0	3160 Abbott Ln	Harrisonburg	Harrisonburg (City)	22801WLKRM3160A
175	Eastman Performance Films, LLC-Axton Facility	0	47 Brenda Dr	Axton	Henry	24054CMMNWRT58S
176	Eaton Corporation - Williamsburg Manufacturing	0	149 Warwick Court	Williamsburg	York	2318WTNCRP149WA
177	Elbit Systems of America - Night Vision LLC	0	7635 Plantation Rd	Roanoke	Roanoke	24019TTLCT7635P
178	Ennis-Flint Richmond	0	4400 Vawter Ave	Richmond	Henrico	23222DGLSC4400V

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
179	Eternal Technology Corp	0	1800 Touchstone Rd	Colonial Heights	Chesterfield	23834TRNLT18TUC
180	Everbrite LLC	0	627 E 30Th St	Buena Vista	Buena Vista (City)	24416VRBRT627EA
181	Evolve Stone LLC	0	200 Lenoir Drive	Winchester	Frederick	2260WVLVST2LENI
182	Federal Correctional Complex	0	1060 River Rd	Hopewell	Prince George	23860BRFPR16RIV
183	Federal Mogul Powertrain LLC.	0	300 Industrial Park Rd SE	Blacksburg	Montgomery	24060FDRLMRT460
184	Fiberglass Engineering Co	0	5019 Airport Rd	Midland	Fauquier	22728FBRGLWARRE
185	Fisher Diagnostics, A Division of Fisher Scientific Company	0	8365 Valley Pike	Middletown	Frederick	22645FSHRD8365V
186	Fleetwood Homes of Virginia Inc 19-2	0	90 Weaver St	Rocky Mount	Franklin	24151FLTWD90WEA
187	Flowserve Corp Lynchburg Va	0	5114 Woodall Rd	Lynchburg	Lynchburg (City)	24502LMTRQ5114W
188	Flowserve US Inc	0	3900 Cook Blvd	Chesapeake	Chesapeake (City)	23323NGRSL3900C
189	FTG Corp.	0	1026 Warrenton Rd	Fredericksburg	Stafford	22405CLNLC1026W
190	GEA Systems DbA LLC (DbA LLC Dowty Propellers)	0	114 Powers Ct	Sterling	Loudoun	20166SMTHS114PW
191	Gemini-Farmville	0	102 Hauschild Dr	Farmville	Cumberland	23901GMNFR12HAU

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
192	George Bush Center for Intelligence (CIA)	0	1000 Colonial Farm Rd	Mc Lean	Fairfax	2210WCHDQRRUTES
193	Georges Family Farms, LLC Mt Jackson Feed Mill	0	560 Caverns Rd	Mount Jackson	Shenandoah	22844HLLYFSTATE
194	George's Foods LLC Feed Mill	0	61 Kratzer Rd	Harrisonburg	Harrisonburg (City)	22801RCCFDPOBOX
195	Gilmer Industries Inc	0	560 Stone Spring Rd	Harrisonburg	Harrisonburg (City)	22801GLMRN560ST
196	Gordonsville Power Station	0	819 Hill Rd	Gordonsville	Louisa	22942GRDNS115RE
197	Graham-White Manufacturing Co.	0	1242 Colorado St	Salem	Roanoke	24153GRHMW1242C
198	Greystone of Virginia Inc	0	7992 Richmond Rd	Toano	James City	23168GRYST7992R
199	Griffin Pipe Products Co	0	10 Adams St	Lynchburg	Lynchburg (City)	24505GRFFNADAMS
200	Griffith Energy Services Inc-Berryville	0	618 E Main St	Berryville	Clarke	22611CLRKC618EM
201	Grottoes Plastics Plant	0	149 Grand Caverns Dr	Grottoes	Augusta	24441RYNLDCAVER

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
202	Guardian Fabrication, LLC - Plant 2	0	110 Jack Guynn Dr	Galax	Galax (City)	24333CNSLD110JA
203	HAPCO	0	26252 Hillman Highway	Abingdon	Washington	2421WHPCXX26252
204	Heniff Transportation Systems LLC	0	4625 Lee Hwy	Marion	Smyth	2435WSPRFL4625L
205	Hitachi Energy USA Inc.	0	171 Industry Drive	Bland	Bland	24315BBPWRSTRTE
206	Hitachi Energy USA Inc.	0	2135 Philpott Rd	South Boston	Halifax	24592WSTNGHIGHW
207	Hoover Treated Wood Products, Inc	0	18315 House Dr	Milford	Caroline	22514HVRTRCAROL
208	Howell Metal Co	0	574 Depot Rd	New Market	Shenandoah	22844HWLLM574DE
209	Huntington Ingalls Incorporated	0	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W
210	Hutchinson Sealing Systems Inc	0	1150 S Third St	Wytheville	Wythe	24382KNGST1150S
211	Imperial Group Manufacturing Inc	0	4969 Stepp Place	Dublin	Pulaski	2408WMPRLG4969S
212	Industrial Chemicals Inc	0	2540 Bellwood Rd	Richmond	Chesterfield	23237NDLCH2540B
213	Intelligent Platforms, LLC	0	2500 Austin Drive	Charlottesville	Albemarle	22901GFNCTUS29N

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
214	Interbake Foods	0	200 Baker Plaza	Front Royal	Warren	2263WNTRBK2BAKE
215	International Cold Storage	0	5678 Heards Mountain Rd	Covesville	Albemarle	22931NTRNTRROUTE
216	IR Engraving LLC	0	5901 Lewis Rd	Sandston	Henrico	23150RNTRN5901L
217	James Hardie Building Products Pulaski	0	1000 James Hardie Way	Pulaski	Pulaski	24301JHBPP1JAME
218	JCI Jones Chemicals Inc.	0	16248 Industrial Dr	Milford	Caroline	22514JNSCHRT640
219	Jewell Coke Co LP	0	1034 Dismal River Rd	Oakwood	Buchanan	24656JWLLCHWY46
220	Johns Manville Corp Hamilton Plant	0	7400 Ranco Rd	Richmond	Henrico	23228MNVLL7400R
221	Joint Base Langley Eustis-Eustis (JBLE-Eustis) Ranges	0	705 Washington Blvd	Fort Eustis	Newport News (City)	23604SDDSRFORTE
222	JTI Leaf Services (US) LLC	0	202 Stinson Drive	Danville	Pittsylvania	2454WJTLFS22STI
223	Kaiser Aluminum Fabricated Products LLC	0	1901 Reymet Rd	Richmond	Chesterfield	23237RYNLD1901R
224	Kerry Inc.	0	1711 N Liberty St	Harrisonburg	Harrisonburg (City)	2280WKRRYN1711N
225	Kik (Virginia) LLC	0	27 Mill Ln	Salem	Roanoke	24153THDLC27MIL

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
226	Kingspan Insulation LLC	0	200 Kingspan Way	Winchester	Frederick	22601MCFMROUTE
227	Kinyo Virginia Inc	0	290 Enterprise Dr	Newport News	Newport News (City)	23603KNYVR290EN
228	Kyanite Mining Corp Mullite Plant	0	5836 Buffalo Road	Dillwyn	Buckingham	23936KYNTMRTE15
229	Ladysmith Combustion Turbine Station	0	8063 Cedon Rd	Woodford	Caroline	22580LDYSM863CE
230	Lhoist NA Of Virginia Inc Kimballton Area 1	0	2093 Big Stony Creek Rd	Ripplemead	Giles	24150CHMCL2093B
231	MAAG Gala, Inc.	0	181 Pauley St	Eagle Rock	Botetourt	24085GLNDSRFD2B
232	Madison Wood Preservers Inc.	0	216 Oak Park Rd	Madison	Madison	22727MDSNWSTARR
233	Manassas Ready Mix Concrete	0	7310 Old Compton Rd	Manassas	Prince William	22110MNSSS731LD
234	Mapei Corp	0	300 Nelms Cir	Fredericksburg	Stafford	22406MPCRP3NELM
235	Mar-Bal, Inc.	0	5400 Reserve Way	Dublin	Pulaski	24084MRBLN5400R
236	Mastic Home Exteriors	0	185 Johnson Dr	Stuarts Draft	Augusta	24477LCBLDRTE90
237	Mechanicsville Concrete LLC	0	4608 Racrete Rd	Richmond	Henrico	2323WMCHNC468RA
238	Mechanicsville Concrete LLC-	0	4481 Oakleys Ln	Henrico	Henrico	2322WMCHNC4481A

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
	Airport Plant (Oakleys Lane)					
239	Mechanicsville Concrete LLC-Chesterfield Plant	0	3501 Warbro Rd	Midlothian	Chesterfield	2311WMCHNC351WA
240	Mechanicsville Concrete LLC-Petersburg Plant	0	26317 Simpson Rd	Petersburg	Dinwiddie	2380WMCHNC26317
241	Medeco Security Locks Inc.	0	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A
242	Mennel Milling Co of Virginia	0	5185 Benois Rd	Roanoke	Roanoke	24018MNNLM5185B
243	Metal Casting Co	0	15331 Industrial Park Road	Bristol	Washington	2420WMTLCS15331
244	Metalsa Roanoke Inc.	0	184 Vista Dr	Roanoke	Botetourt	24019TWRTM184VI
245	MICA Co of Canada Inc	0	900 Jefferson Ave	Newport News	Newport News (City)	23607MCCMP900JE
246	Micrometrics System	0	225 Jeb Stuart Hwy	Meadows Of Dan	Patrick	24120MCRMT2900W
247	Mitsubishi Chemical America Alpolic Division	0	401 Volvo Pkwy	Chesapeake	Chesapeake (City)	23320MTSBS401VA
248	Modine Manufacturing Co	0	1221 Magnolia Ave	Buena Vista	Rockbridge	24416MDNMN1221M

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2021 Toxics Release Inventory

Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
249	Mondelez Global LLC	0	6002 S Laburnum Ave	Richmond	Richmond	23231NBSCB6002S
250	Monogram Snacks Martinsville LLC	0	200 Knauss Drive	Martinsville	Henry	2411WMNGRM2KNAU
251	Moog Inc.	0	1213 N Main St	Blacksburg	Montgomery	24060LTTNP1213N
252	Morgan Lumber Company, Inc.	0	628 Jeb Stuart Highway	Red Oak	Charlotte	2396WMRGNL628JE
253	Motiva Fairfax Terminal	0	3800 Pickett Rd	Fairfax	Fairfax (City)	22031FRFXT3800P
254	Munters	0	225 S Magnolia Ave	Buena Vista	Rockbridge	2441WDSCHM225SM
255	Munters Corp	0	43 Douglas Way	Natural Bridge Station	Rockbridge	2457WMNTRS43DUG
256	Murphy-Brown LLC Waverly Feed Mill	0	27404 Cabin Point Rd	Waverly	Sussex	23890MRPHY27404
257	MXI Environmental Services, LLC	0	26319 Old Trail Rd (St Rte 679)	Abingdon	Washington	2421WMXNVR26319
258	Nationwide Homes Inc.	0	1100 Rives Rd	Martinsville	Henry	24112NTNWD100RI
259	New Millennium Building Systems	0	100 Diuguids Lane	Salem	Roanoke	24153JHNWH2535D
260	Newington Concrete Plant	0	8413 Terminal Rd	Lorton	Fairfax	22122NWNGT8413T

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2021 Toxics Release Inventory

Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
261	Nibco of Virginia Inc.	0	131 Johnson Drive	Stuarts Draft	Augusta	24477NBCNCROUTE
262	Northrop Grumman Systems Corporation	0	1070 Seminole Trail	Charlottesville	Albemarle	22906SPRRY1070S
263	Novozymes	0	420 Kesler Mill Rd	Salem	Roanoke	24153NVZYM42KES
264	Novozymes Biologicals Inc	0	528 Chapman St	Salem	Salem (City)	24153NVZYM528CH
265	Nucor Insulated Panel Group	0	6001 Quality Way	Prince George	Prince George	23875MTLSP6001Q
266	Old Dominion Electric Co-Op Louisa Generation Facility	0	3352 Klockner Rd	Gordonsville	Louisa	22942LDDMN3352K
267	Old Dominion Electric Co-Op Marsh Run Generation Facility	0	12109 Lucky Hill Rd	Remington	Fauquier	22734LDDMN1219L
268	Oldcastle APG Mid-Atlantic Milford, VA	0	16326 Ind Us Trial Dr	Milford	Caroline	22514MRCNS16326
269	Oldcastle APG Mid-Atlantic Richmond, VA	0	1231 Willis Rd	Richmond	Chesterfield	2323WLDCST1231W

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
270	Oldcastle Precast Inc	0	5115 Massaponax Church Rd	Fredericksburg	Spotsylvania	22407RTNDP5115M
271	Omega Protein Corporation	0	610 Menhaden Rd	Reedville	Northumberland	22530ZPTHYPOBOX
272	O-N Minerals (Chemstone) Winchester Lime Plant	0	508 Quarry Ln	Clear Brook	Frederick	22624GLBLSONEQU
273	Owens-Brockway Glass Container Inc Plant 26	0	150 Industrial Blvd	Toano	James City	23168WNSLL150IN
274	Owens-Brockway Glass Container Inc Plant 29	0	29 Glassblower Ln	Ringgold	Pittsylvania	24586WNSBRSTATE
275	Pallet One Of Virginia	0	820 Boyd St	Chase City	Mecklenburg	2392WPLLTN82BYD
276	Papco Inc	0	4920 Southern Blvd	Virginia Beach	Virginia Beach (City)	2346WPPCNC492SU
277	Papco Oil Company	0	407 Jefferson Avenue	Newport News	Newport News (City)	2360WPPCLC47JEF
278	Parker Hannifin Integrated Seals Div	0	3700 Mayflower Dr	Lynchburg	Lynchburg (City)	24501WYNNS3700M
279	Pascor Atlantic Corp	0	254 Industry Dr	Bland	Bland	24315PSCSTRTE1B
280	Pentagon Reservation	0	2 N Rotary Rd	Arlington	Arlington	2220WPNTRSNRTAR

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2021 Toxics Release Inventory

Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
281	Perdue Agribusiness LLC-Chesapeake Va	0	501A Barnes Rd	Chesapeake	Chesapeake (City)	23324CRGLL501BA
282	Pilgrim's Pride Corp Harrisonburg Feedmill	0	590 Mt Clinton Pike	Harrisonburg	Harrisonburg (City)	22801WMPLR590MT
283	Pine Products Inc	0	315 Carver Rd	Martinsville	Henry	24112PNPRD315CA
284	Plant 782 - 12020 Old Stage Road	0	12020 Old Stage Road	Chester	Chesterfield	2383WTCSMT122LD
285	Polynt Composites USA Inc.	0	920 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531FRMNRPITTS
286	Possum Point Power Station	0	19000 Possum Point Rd	Dumfries	Prince William	22026PSSMP19000
287	Power Distribution Inc.	0	5250 Klockner Dr	Henrico	Henrico	2323WPWRDS525KL
288	Pre Con, Inc.	0	321 Brown St	Petersburg	Petersburg (City)	2380WPRCNN321BR
289	Prochem, Inc	0	5100 Enterprise Dr	Elliston	Montgomery	24087PRCHM51ENT
290	QPI Warsaw Bulk Plant	0	11549 Historyland Hwy	Warsaw	Richmond	2257WQPWRS11549
291	Qualichem, Inc Plant 1	0	2003 Salem Industrial Dr	Salem	Salem (City)	2415WQLCHM23SAL
292	Qualichem, Inc. Plant 2	0	510 Branch Dr	Salem	Salem (City)	2415WQLCHM51BRA

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
293	Quarles Petroleum Inc Harrisonburg Bulk Plant	0	1006 W Market St	Harrisonburg	Harrisonburg (City)	22801QRLSP1006W
294	Quarles Petroleum Inc. Culpeper Bulk Plant	0	15427 Brandy Rd	Culpeper	Culpeper	22701QRLSP15427
295	Quarles Petroleum Inc. Front Royal Bulk Plant	0	195 Commerce Ave	Front Royal	Warren	22630QRLSP195CO
296	Quarles Petroleum Inc. Manassas Bulk Plant	0	8001 Wellingford Dr	Manassas	Prince William	20109QRLSP8001W
297	Quarles Petroleum Inc. Winchester Bulk Plant	0	779 Smithfield Ave	Winchester	Frederick	22601QRLSP779SM
298	Quarles Petroleum, Inc. Covington Bulk Plant	0	9314 Winterberry Ave	Covington	Alleghany	2442WQRLSP9314W
299	Quarles Petroleum, Inc. Verona Bulk Plant	0	229 Lee Hwy - 229 Lee Highway	Verona	Augusta	2448WQRLSP229LE
300	Remington Power Station	0	12025 Lucky Hill Road	Remington	Fauquier	2273WDMNNR1225L
301	Rexnord Industries LLC	0	150 Johnson Dr	Stuarts Draft	Augusta	24477PTCMPRTS34

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
302	River Pools and Spas	0	196 Selftown Rd	Warsaw	Richmond	2257WRVRPL196SE
303	Roanoke Cement Co LLC	0	6071 Catawba Rd	Troutville	Botetourt	24175RNKCM5555C
304	RPS Composites Virginia, Inc.	0	211 E 4Th St	Front Royal	Warren	22630SHNND210E4
305	RTI Martinsville Inc	0	101 Rti Way	Martinsville	Henry	2411WRTMRT11RTI
306	Ruffin Creek Properties LLC	0	10229 Tidewater Trail	Fredericksburg	Spotsylvania	22408RFFNC10229
307	Safety-Kleen Systems Chesapeake (CPK)	0	4545 Bainbridge Blvd	Chesapeake	Chesapeake (City)	23320SFTYK4545B
308	Safety-Kleen Systems Chester (Cva)	0	1200 W 100 Rd	Chester	Chesterfield	23831SFTYK1200W
309	Safety-Kleen Systems Vinton (Roa)	0	16090 Stewartsville Rd	Vinton	Roanoke	24179SFTYKRTE24
310	Samuel Son & Company (USA) Inc.	0	58 Samuel Way	Lebanon	Russell	2426WSTLFB58SAM
311	Schrader-Bridgeport International	0	205 Frazier Rd	Altavista	Campbell	24517PDMNT205FR
312	Shamrock Foods Dairy Div	0	318 Mill Pl Pkwy	Verona	Augusta	2448WSHMRC318MI

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
313	Sicpa Securink Corp	0	8000 Research Way	Springfield	Fairfax	22153SCPVR8000R
314	Slocum Adhesives Corp.	0	2500 Carroll Ave	Lynchburg	Lynchburg (City)	2450WSLCMD25CAR
315	Slocum Adhesives Corporation	0	1409 Buchanan St	Lynchburg	Lynchburg (City)	24501SLCMC1409B
316	Smithfield Fresh Meats Corp	0	501 N Church St	Smithfield	Isle Of Wight	2343WSMTHF51NCH
317	Smithfield Fresh Meats Corp Smithfield, Va Facility	0	601 N Church St	Smithfield	Isle Of Wight	23430GWLTNHIGHW
318	Solenis LLC	0	27123 Shady Brook Trail	Courtland	Southampton	23851HRCLSROUTE
319	Sonoco Richmond	0	1850 Commerce Rd	Richmond	Richmond	23224SNCPR1850C
320	South Atlantic Galvanizing LLC	0	11022 Lewistown Rd	Ashland	Hanover	23005VRGNGSTATE
321	Southern Graphic Systems LLC	0	5301 Lewis Rd	Sandston	Henrico	23150STHRN531LE
322	Spotsylvania Plant	0	8520 Indian Hills Ct.	Fredericksburg	Spotsylvania	2240WSPTSY852IN
323	ST Tissue LLC	0	34050 Union Camp Dr	Franklin	Isle Of Wight	2385WSTTSS345UN
324	Stafford Plant	0	169 Wyche Rd	Stafford	Stafford	2255WSTFFR169WY
325	Steel Dynamics Inc Roanoke Bar DIV	0	102 Westside Blvd	Roanoke	Roanoke (City)	24017RNKLC102WE

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
326	Steelfab of Virginia Inc	0	1510 Reese St	Emporia	Greensville	23847STFBF1510R
327	Stella Jones Corp-Goshen Facility	0	9223 Maury River Rd	Goshen	Rockbridge	24439THBRKSTATE
328	Stella-Jones Corp	0	15939 History Land Hwy	Warsaw	Richmond	22572WDPRSROUTE
329	STIHL Inc	0	536 Viking Dr	Virginia Beach	Virginia Beach (City)	23450STHLN536VI
330	Sun Chemical Corp	0	16000 Continental Blvd	Colonial Heights	Colonial Heights (City)	23834SNCHM16000
331	Sunbelt Forest Products, Inc	0	1220 Hendricks Store Rd	Moneta	Bedford	24523SMTHMPOBOX
332	Sunbelt Forest Products, Inc	0	5604 City Line Rd	Hampton	Hampton (City)	23661CMMNW5604C
333	Sunlite Plastics Inc.	0	846 Keezletown Rd	Weyers Cave	Augusta	24486SNLGHROUTE
334	Super Radiator Coils	0	451 Southlake Blvd	Richmond	Chesterfield	23236SPRRD451SO
335	Superior Concrete Inc-Harrisonburg	0	1526 County Club Rd	Harrisonburg	Rockingham	2280WSPRRC1526C
336	Superior Concrete Materials Inc. - Dulles	0	44146 Wade Dr	Chantilly	Loudoun	2015WSPRRC44146
337	Superior Concrete Materials Inc. - Lorton	0	8420 Terminal Rd	Lorton	Fairfax	2207WSPRRC842TE
338	Taylor & Boody Inc.	0	8 Hewitt Rd	Staunton	Augusta	24401TYLRB8HEWE

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
339	TCS Materials Gloucester Ready-Mix	0	5248 George Washington Memorial Hwy	Gloucester	Gloucester	2306WTCSMT5248G
340	Tempur Production USA Inc	0	203 Tempurpedic Dr	Duffield	Scott	24244TMPRP4700B
341	The Goodyear Tire & Rubber Co.	0	1901 Goodyear Blvd	Danville	Danville (City)	24541THGDY1435G
342	Titan Virginia Ready-Mix LLC-Campostella Plant	0	2125 Kimball Terrace	Norfolk	Norfolk (City)	2350WTTNVR2125K
343	Titan Virginia Ready-Mix LLC-Centreville Plant	0	15718 Lee Highway	Centreville	Fairfax	2202WTTNVR15718
344	Titan Virginia Ready-Mix LLC-Clear Brook Plant	0	1383 Brucetown Rd	Clear Brook	Frederick	2262WTTNVR1383B
345	Titan Virginia Ready-Mix LLC-Dumfries Plant	0	3454 Canal Rd	Dumfries	Prince William	2202WTTNVR3454C
346	Titan Virginia Ready-Mix LLC-Leesburg Plant	0	42105 Cochran Mill Rd	Leesburg	Loudoun	2017WTTNVR4215C
347	Titan Virginia Ready-Mix LLC-Oceana Plant	0	160 Oceana Blvd.	Virginia Beach	Virginia Beach (City)	2345WTTNVR16CEA

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
348	Titan Virginia Ready-Mix LLC-Port Norfolk Plant	0	101 Chautauqua Ave	Portsmouth	Portsmouth (City)	2370WTTNVR11CHA
349	Titan Virginia Ready-Mix LLC-Springfield Plant	0	6600 Electronic Dr	Springfield	Fairfax	22151STHRN6600E
350	Titan Virginia Ready-Mix LLC-Stafford Plant	0	48 Powell Ln	Falmouth	Stafford	2240WTTNVR48PWE
351	Titan Virginia Ready-Mix LLC-Sterling Plant	0	22963 Concrete Plaza	Sterling	Loudoun	2016WTTNVR22963
352	Tread Corp	0	176 Eastpark Dr	Roanoke	Botetourt	24019VFPNC4520E
353	Trelleborg Marine Systems North America Inc.	0	532 Jack Enders Blvd	Berryville	Clarke	2261WTRLLB532JA
354	Trex - Virginia Manufacturing Operations	0	3229 Shawnee Drive	Winchester	Frederick	2260WTRXWN3229S
355	Tri Tech Laboratories, LLC	0	1000 Robins Rd	Lynchburg	Lynchburg (City)	2450WTRTCH1RBIN
356	Trident Americas	0	833 Liberty Way	Chester	Chesterfield	23836KTNGR833LI
357	Trinity Packaging Corporation	0	90 Industrial Avenue	Rocky Mount	Franklin	2415WTRNTY9INDU

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
358	Tyson Farms Inc. - Feed Mill	0	1938 Patrick Henry Hwy	Jetersville	Nottoway	23083HLLYFUSHWY
359	U.S Navy Cheatham Annex Base	0	108 Sanda Ave Bldg 270	Williamsburg	York	23185SNVYC18SAN
360	U.S. Army Garrison Fort Lee Va - Ranges	0	825, 19Th Street, Bldg 6005	Fort Lee	Prince George	23801SRMYC3901A
361	U.S. DOD, USAF, Joint Base Langley Eustis - Langley AFB	0	633 Ces/Ceie 37 Sweeney Blvd	Langley Afb	Hampton (City)	23665SRFRC1CESC
362	U.S. NASA GSFC Wallops Flight Facility	0	34200 Fulton Street	Wallops Island	Accomack	23337SNSGDWALLO
363	U.S. Navy Norfolk Naval Shipyard	0	Intersection Of Effingham St & George Washington Hwy	Portsmouth	Portsmouth (City)	23709SDDSNINTER
364	Univar USA Inc Chester Facility	0	1001 Old Bermuda Hundred Rd	Chester	Chesterfield	23836PRLLM1001O
365	UPACO Adhesives Inc	0	4105 Castlewood Rd	Richmond	Richmond (City)	23234PCDHS4105C
366	US Army Fort Ap Hill Ranges (Part)	0	19952 North Range Rd	Bowling Green	Caroline	22427SRMYF18902

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
367	US Army Garrison Fort Belvoir	0	9430 Jackson Loop	Fort Belvoir	Fairfax	2206WSRMYP943JA
368	US Army Joint Base Myer-Henderson Hall Garrison Ops (Part)	0	204 Lee Ave	Fort Myer	Arlington	2221WSRMYPJ24LEE
369	US Army National Guard Fort Pickett (Ranges)	0	Us Pfo Building 316 Fort Pickett	Blackstone	Nottoway	23824SRMYM316RI
370	US CBP Canine Training Facility Firing Range #Va0040	0	828 Harmony Hollow Rd	Front Royal	Warren	22630SCSTM828HA
371	US Coast Guard Base Portsmouth	0	4000 Coast Guard Blvd	Portsmouth	Portsmouth (City)	23701SDTSC4000C
372	US Defense Logistics Agency Defense Supply Center Richmond	0	6090 Strathmore Rd	Richmond	Chesterfield	23297DFNSG8000J
373	US DHS Mt Weather EOC	0	19844 Blue Ridge Mountain Rd	Bluemont	Loudoun	20135SDHSM19844
374	US DOD Warrenton Training Center Station B	0	7471 Bear Wallow Rd	Warrenton	Fauquier	2018WSDDSR7471B

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
375	US DOD, Warrenton Training Center Station C Range	0	7248 Sumerduck Rd	Remington	Fauquier	2273WSDDSR7248S
376	US Marine Corps Base Quantico Range Complex	0	3250 Catlin Ave	Quantico	Prince William	22134SDDSM3040M
377	US Navy Fleet Combat Training Center Atl Dam Neck Range	0	1912 Regul Us Ave	Virginia Beach	Virginia Beach (City)	23461SNVYF1912R
378	US Navy Joint Expeditionary Fort Story Range	0	300 Atlantic Avenue	Virginia Beach	Virginia Beach (City)	2345WSNVYJ3GUAD
379	US Navy Joint Expeditionary Little Creek Range	0	2600 Tarawa Ct Suite 100	Virginia Beach	Virginia Beach (City)	23521SDDSN2600T
380	US Navy Naval Station Norfolk	0	1530 Gilbert Street Suite 2000	Norfolk	Norfolk (City)	23511NVLBS1530G
381	US Navy Yorktown Naval Weapons Station Base	0	160 Main Rd.	Yorktown	York	2369WSNVYYRUTE2
382	US Penitentiary Lee	0	Lee County Ind Us Trial Park Hickory Flats Rd	Pennington Gap	Lee	24277SPNTNLEECI

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
383	US/Navy Naval Support Activity Northwest Annex Range	0	1320 NW Blvd Suite 100	Chesapeake	Chesapeake (City)	23322SNVYN132NW
384	Utility Trailer Manufacturing Co	0	13160 Monroe Rd	Glade Spring	Washington	2434WTLTYT1316M
385	Utility Trailer Manufacturing Co	0	124 Mountain Empire Rd	Atkins	Smyth	24311TLTYTSTATE
386	Valley Proteins Inc Linville Facility	0	6230 Kratzer Rd	Linville	Rockingham	22834VLLYP623KR
387	Valmont-Virginia Galvanizing Inc	0	3535 Halifax Rd	Petersburg	Petersburg (City)	23805NDSTR3535H
388	Vaughan-Bassett Furniture Co. Galax	0	300 E Grayson St	Galax	Carroll	24333VGHNBOLDTO
389	Veolia James River Plant	0	1201 Bellwood Rd	Richmond	Chesterfield	23237DPNTJ1201B
390	Virginia Concrete - Culpeper	0	11454 Quarry Drive	Rapidan	Culpeper	2273WVRGNC11454
391	Virginia Concrete Centreville Plant	0	15717 Lee Hwy	Centreville	Fairfax	2202WVRGNC15717
392	Virginia Concrete Co Inc-Chantilly	0	25086 Tanner Ln	Chantilly	Loudoun	2015WVRGNC2586T
393	Virginia Concrete Cochran Mill	0	42574 Cochran Mill Rd	Leesburg	Loudoun	2017WVRGNC42574

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
394	Virginia Concrete Dulles Plant	0	44866 Old Ox Rd	Sterling	Loudoun	22170VRGNC44866
395	Virginia Concrete Dumfries Plant	0	217 Canal Rd	Dumfries	Prince William	2202WVRGNC217CA
396	Virginia Concrete Edsall Road Plant	0	5412 Industrial Dr	Springfield	Fairfax	22151VRGNC6995E
397	Virginia Concrete Falls Church Plant	0	7103 Gordon Rd	Falls Church	Falls Church (City)	22043VRGNC7103G
398	Virginia Concrete Gainesville Plant	0	7300 Rail Line Ct	Gainesville	Prince William	2015WVRGNC73RAI
399	Virginia Concrete Shirlington Plant	0	2651 Shirlington Rd	Arlington	Arlington	22206VRGNC2651S
400	Virginia Concrete Spotsylvania Plant	0	6110 Smith Station Road	Fredericksburg	Spotsylvania	2240WVRGNC611SM
401	Virginia Concrete Woodbridge Plant	0	936 Annapolis Way	Woodbridge	Prince William	2219WVRGNC936AN
402	Virginia Concrete-Stafford Plant	0	32 Wyche Rd	Stafford	Stafford	2255WVRGNC32WYC
403	Virginia Marble Manufacturers Inc	0	1201 5Th Ave	Kenbridge	Lunenburg	23944VRGNMPOBOX
404	Virginia Marble Manufacturers Inc	0	Corner Of Brunswick & Oak St	Kenbridge	Lunenburg	23944VRGNMCORNE
405	Virginia Metal Treating, Inc.	0	111 Lynchpin Ln	Lynchburg	Lynchburg (City)	2450WVRGNM111LY

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
406	Virginia Mirror Co Inc	0	300 S Moss St	Martinsville	Henry	24112VRGNM300MO
407	Virginia Paving Alexandria Plant	0	5601 Courtney Avenue	Alexandria	Alexandria (City)	2230WTHLNC561CU
408	Vitesco Technologies USA, LLC	0	615 Bland Blvd	Newport News	Newport News (City)	23602LLDSG615BL
409	Voestalpine High Performance Metals - South Boston Plant	0	2306 Eastover Dr	South Boston	Halifax	24592CKCMPSTATE
410	VPGC LLC Broadway Feedmil	0	410 S Main St	Broadway	Rockingham	22815WMPLRRTE42
411	W&W-Afco Steel LLC	0	15083 Industrial Park Rd	Bristol	Washington	24202CRLNS1583I
412	Wabtec Components	0	655 Fairview Rd	Wytheville	Wythe	24382RQPCR655FA
413	Webb Enterprises LLC American Mirror	0	602 E Stuart Dr	Galax	Galax (City)	24333MRCNMPOBOX
414	Weidmuller	0	821 Southlake Blvd	Richmond	Chesterfield	23236WDMLL821SO
415	Westrock / Seven Hills LLC	0	1801 Concord Turnpike	Lynchburg	Lynchburg (City)	24505MDPPR1801C
416	Wolf Hills Fabricators, LLC	0	26161 Old Trail Rd	Abingdon	Washington	2421WWLFHL26161
417	Woodwick Candle	0	200 Toy Lane	Blairs	Pittsylvania	2455WSMTHM1DILL

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Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
418	Yokohama Tire Manufacturing Virginia LLC	0	1500 Indiana St	Salem	Roanoke	24153MHWKR1500I
419	Yorktown Power Station	0	1600 Waterview Rd	Yorktown	York	23692YRKTW1600W
420	Zenith Fuel Systems LLC	0	14570 Industrial Park Rd	Bristol	Washington	24201FCTFL1048I

**APPENDIX J-1 - 2021 VA TRI Jurisdiction
Ranking by On-Site Releases**

**APPENDIX J-1 - 2021 VA TRI JURISDICTION RANKING BY ON-SITE
RELEASES**

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
1	Montgomery	10,396,102	157,567	908	10,237,628
2	Covington (City)	2,391,247	1,894,489	436,564	60,194
3	Hopewell (City)	2,142,678	1,908,284	0	234,394
4	Chesterfield	1,569,773	1,384,975	93,375	91,423
5	Buchanan	1,354,051	1,354,051	0	0
6	Isle Of Wight	1,126,032	1,084,295	0	41,737
7	King William	825,770	774,695	0	51,074
8	James City	651,504	651,504	0	0
9	Campbell	539,555	88,343	3,957	447,254
10	Hanover	526,545	493,381	0	33,164
11	Bedford	492,288	378,914	52,673	60,701
12	Halifax	467,784	373,714	93,050	1,020
13	Giles	426,028	362,852	0	63,176
14	Henry	415,363	415,363	0	0
15	Chesapeake (City)	411,579	393,106	18,473	0
16	Amherst	355,944	349,587	0	6,357
17	Accomack	314,572	37,495	0	277,076
18	Wise	273,229	97,098	176,050	81
19	Prince William	207,203	58,218	116,690	32,294
20	Shenandoah	194,453	37,626	0	156,827
21	Lynchburg (City)	148,328	147,998	0	330
22	Pittsylvania	144,590	144,590	0	0
23	Newport News (City)	143,001	137,514	4,639	848
24	Rockingham	132,450	14,013	44,214	74,223
25	Richmond	128,435	128,368	0	67
26	Nottoway	108,054	93	107,961	0
27	Botetourt	107,310	107,064	226	20
28	Lunenburg	91,368	91,368	0	0
29	Carroll	90,883	90,883	0	0

Appendix J-1

2021 Toxics Release Inventory

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land Release (Pounds)	Total Water Release (Pounds)
30	Roanoke (City)	83,838	83,298	0	540
31	Frederick	77,989	64,754	13,211	25
32	Augusta	77,119	34,116	0	43,003
33	Washington	66,954	66,746	0	208
34	Roanoke	59,460	59,458	0	2
35	Caroline	57,203	765	53,728	2,710
36	Northumberland	56,977	56,442	0	535
37	Norfolk (City)	39,082	37,784	0	1,297
38	Greensville	33,121	33,120	0	0
39	Warren	32,887	32,887	0	0
40	Bristol (City)	30,553	30,553	0	0
41	Franklin	30,358	30,358	0	0
42	Pulaski	29,558	29,558	0	0
43	Virginia Beach (City)	26,370	13,673	12,671	26
44	Portsmouth (City)	25,695	25,689	0	6
45	Richmond (City)	19,885	19,882	0	3
46	Culpeper	17,902	17,819	0	83
47	Henrico	16,083	16,083	0	0
48	Southampton	15,024	14,948	1	75
49	Prince George	14,787	13,113	1,675	0
50	Westmoreland	12,290	12,290	0	0
51	Suffolk (City)	9,687	9,672	0	15
52	Loudoun	7,865	7,082	0	783
53	York	7,610	37	7,574	0
54	Rockbridge	7,607	7,587	0	21
55	Fauquier	6,196	6,196	0	0
56	Petersburg (City)	3,337	2,590	0	747
57	Fairfax (City)	3,147	3,147	0	0
58	Arlington	2,824	2,439	0	385
59	Dinwiddie	2,409	457	0	1,952

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2021 Toxics Release Inventory

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land Release (Pounds)	Total Water Release (Pounds)
60	Salem (City)	2,234	2,234	0	0
61	Harrisonburg (City)	2,227	2,227	0	0
62	Winchester (City)	2,069	2,069	0	0
63	Lee	1,671	1	1,670	0
64	Hampton (City)	1,268	1,268	0	0
65	King George	1,182	1,182	0	0
66	Fairfax	1,073	256	1	816
67	Smyth	1,018	1,018	0	0
68	Wythe	610	610	0	0
69	Brunswick	514	514	0	0
70	Spotsylvania	489	244	27	217
71	Charlotte	437	18	418	0
72	Stafford	409	223	0	186
73	Danville (City)	374	286	0	88
74	Russell	99	86	0	13
75	Falls Church (City)	70	0	0	70
76	Buckingham	29	29	0	0
77	Mecklenburg	24	24	0	0
78	Colonial Heights (City)	11	11	0	0
79	Sussex	10	10	0	0
80	Scott	10	10	0	0
81	Clarke	5	5	0	0
82	Buena Vista (City)	5	5	0	0
83	Alexandria (City)	1	1	0	0
84	Albemarle	1	1	0	0
85	Gloucester	0	0	0	0
86	Alleghany	0	0	0	0
87	Amelia	0	0	0	0
88	Madison	0	0	0	0

Appendix J-1

2021 Toxics Release Inventory

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
89	Bland	0	0	0	0
90	Galax (City)	0	0	0	0
91	Patrick	0	0	0	0
92	Cumberland	0	0	0	0
93	Louisa	0	0	0	0

**APPENDIX J-2 - 2021 VA TRI Jurisdiction
Ranking by On-Site Management**

**APPENDIX J-2 - 2021 VA TRI JURISDICTION RANKING BY ON-SITE
MANAGEMENT**

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On- Site (Pounds)
1	Accomack	7951792	0	0	7951792
2	Albemarle	0	0	0	0
3	Alexandria (City)	0	0	0	0
4	Alleghany	0	0	0	0
5	Amelia	0	0	0	0
6	Amherst	452979	98602	0	354377
7	Arlington	0	0	0	0
8	Augusta	83478	0	0	83478
9	Bedford	868990.38	183313.67	0	685676.71
10	Bland	0	0	0	0
11	Botetourt	1206748.64	0	1280	1205468.64
12	Bristol (City)	119.99	0	0	119.99
13	Brunswick	57323	0	0	57323
14	Buchanan	0	0	0	0
15	Buckingham	0	0	0	0
16	Buena Vista (City)	0	0	0	0
17	Campbell	2495291.1	0	16583.16	2478707.94
18	Caroline	0	0	0	0
19	Carroll	0	0	0	0
20	Charlotte	0	0	0	0
21	Chesapeake (City)	0	0	0	0
22	Chesterfield	297814129	0	297024972	789157
23	Clarke	0	0	0	0
24	Colonial Heights (City)	0	0	0	0
25	Covington (City)	23794452	0	0	23794452
26	Culpeper	0	0	0	0
27	Cumberland	0	0	0	0
28	Danville (City)	0	0	0	0

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2021 Toxics Release Inventory

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On-Site (Pounds)
29	Dinwiddie	0	0	0	0
30	Fairfax	0	0	0	0
31	Fairfax (City)	13427	0	0	13427
32	Falls Church (City)	0	0	0	0
33	Fauquier	0	0	0	0
34	Franklin	232082.24	0	232082.24	0
35	Frederick	175538.06	0	25	175513.06
36	Galax (City)	0	0	0	0
37	Giles	1016733	767212	0	249521
38	Gloucester	0	0	0	0
39	Greensville	9258	0	0	9258
40	Halifax	1110109	0	0	1110109
41	Hampton (City)	38006.22	0	221.22	37785
42	Hanover	1612077	0	0	1612077
43	Harrisonburg (City)	0	0	0	0
44	Henrico	490816	0	0	490816
45	Henry	4301268.57	489984	1205049	2606235.57
46	Hopewell (City)	3725633.2	1133068	1691958	900607.2
47	Isle Of Wight	15617585	0	0	15617585
48	James City	0	0	0	0
49	King George	180376	0	0	180376
50	King William	2759083.56	0	0	2759083.56
51	Lee	0	0	0	0
52	Loudoun	36184	0	7725	28459
53	Louisa	0	0	0	0
54	Lunenburg	0	0	0	0
55	Lynchburg (City)	4787.3	0	4787.3	0
56	Madison	0	0	0	0
57	Mecklenburg	0	0	0	0
58	Montgomery	41753897.41	0	27201545	14552352.41
59	Newport News (City)	58373.7	0	23464.7	34909

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2021 Toxics Release Inventory

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On-Site (Pounds)
60	Norfolk (City)	0	0	0	0
61	Northumberland	0	0	0	0
62	Nottoway	0	0	0	0
63	Patrick	0	0	0	0
64	Petersburg (City)	2041.36	0	0	2041.36
65	Pittsylvania	5865935	0	5398153	467782
66	Portsmouth (City)	169043.65	0	121760.65	47283
67	Prince George	0	0	0	0
68	Prince William	1625200	0	0	1625200
69	Pulaski	336260	0	0	336260
70	Richmond	0	0	0	0
71	Richmond (City)	746034.11	0	661342	84692.11
72	Roanoke	468863.5	0	418658	50205.5
73	Roanoke (City)	1160000	0	0	1160000
74	Rockbridge	0	0	0	0
75	Rockingham	1612128	0	53856	1558272
76	Russell	0	0	0	0
77	Salem (City)	36457	0	4455	32002
78	Scott	0	0	0	0
79	Shenandoah	3315329.124	0	0	3315329.124
80	Smyth	0	0	0	0
81	Southampton	0	0	0	0
82	Spotsylvania	0	0	0	0
83	Stafford	0	0	0	0
84	Suffolk (City)	3798802	0	3736425	62377
85	Sussex	0	0	0	0
86	Virginia Beach (City)	367	0	0	367
87	Warren	5456261.85	0	5453506.85	2755
88	Washington	12612.32	0	0	12612.32
89	Westmoreland	0	0	0	0
90	Winchester (City)	173436.36	0	0	173436.36

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2021 Toxics Release Inventory

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On- Site (Pounds)
91	Wise	972700	0	0	972700
92	Wythe	0	0	0	0
93	York	0	0	0	0